CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, October 19, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
Sept.				
Oct.				
*20	Engine, etc.	G. Rapids, Mich.	S.	10-12
21	Artesian well.	New Orleans, La.	S.	9-28
*25	Paving.	Altoona, Pa.	S.	10-19
*26	Dam, etc.	Belle Fourche, S. Dak.	P. & S.	9- 7
26	Building.	West Point, N. Y.	P. & S.	10-19
Nov.				
1	Generators.	Arizona	P. & S.	10-13
2	Water wheels.	Arizona	P. & S.	10-13
2	Quay wall.	Key West, Fla.	S.	10-19
2	Quay wall.	Cuba	S.	10-19
Dec.				
*5	Dam.	Billings, Mont.	P. & S.	9-14
*	Steel rolled beams.	New York.	S.	10-12
Jan.				
*2	Water system.	Manila	P. & S.	9-21
*12	Sewer system.	Manila	P. & S.	9-21
10	Lighting plant.	Fayetteville, N.C.	S.	10- 5

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

Oct. 20. Engine, Grand Rapids, Mich. ..... Oct. 12
Advertised, Eng. News, Oct. 12.
Oct. 20. Generators, etc., Washington, D. C. ..... Oct. 12
Oct. 20. Snow removal, New York, N. Y. ..... Oct. 12
Oct. 24. Remodeling plant, New York, N. Y. ..... Oct. 19
Oct. 25. Power machinery, Chicago, Ill. ..... Oct. 19
Oct. 25. Lighting, Seabright, N. J. ..... Oct. 19
Oct. 27. Power house, etc., Danville, Pa. ..... Oct. 19
Advertised, Eng. News, Oct. 19 and 26.
Oct. 30. Power plant equipment, Breese, Ill. ..... Oct. 19
Nov. 1. Generators, etc., Los Angeles, Cal. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Nov. 2.
Nov. 1. Generators, Arizona ..... Oct. 12
Nov. 2. Water wheels, Arizona ..... Oct. 12
Nov. 2. Water wheels, etc., Los Angeles, Cal. ..... Sept. 21
Advertised, Eng. News, Sept. 21 to Oct. 26.
Nov. 7. Central heating plant, San Jose, Cal. ..... Oct. 19
Dec. 2. Water power, Porto Rico ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.

BRIDGES.

Oct. 19. Bridge, Spokane, Wash. ..... Oct. 12
Oct. 19. Bridge, Newport, Ind. ..... Oct. 5
Oct. 21. Bridge, Dayton, O. ..... Oct. 5
Oct. 23. Bridges, Wichita, Kan. ..... Oct. 5
Oct. 23. Bridge, Oakland, Cal. ..... Oct. 19
Oct. 24. Bridge, Somerville, O. ..... Oct. 19
Oct. 24. Bridge, steel, Marion, O. ..... Oct. 5
Oct. 25. Bridge, Boston, Mass. ..... Oct. 19
Oct. 28. Bridge, Indianapolis, Ind. ..... Oct. 19
Oct. 28. Bridge, Akron, O. ..... Oct. 12
Oct. 30. Bridge, Camden, N. J. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 30. Bridge, Aberdeen, Wash. ..... Oct. 19
Nov. 4. Bridge abutments, Barberton, O. ..... Oct. 19
Nov. 6. Bridge, Jamestown, N. Dak. ..... Oct. 19
Nov. 6. Steel bridge, Huntsville, Ala. ..... Oct. 12
Nov. 6. Bridge, steel, San Bernardino, Cal. ..... Oct. 12
Nov. 6. Bridge, Memphis, Tenn. ..... Oct. 12
Nov. 7. Bridge, iron, Palmyra, Mo. ..... Oct. 19
Nov. 8. Bridge, South Bend, Ind. ..... Oct. 19
Nov. 8. Bridge, steel, Vale, Ore. ..... Oct. 19
Nov. 8. Steel arches, Auburn, Ind. ..... Oct. 19
Nov. 8. Bridges, Denver, Colo. ..... Oct. 12
Advertised, Eng. News, Oct. 12 to Nov. 9.
Jan. 1. Steel bridge, Pensacola, Fla. ..... Sept. 28

BUILDINGS.

Oct. 19. Buildings, Tomah, Wis. ..... Sept. 28
Oct. 19. Elevator and lifts, Lincoln, Neb. ..... Sept. 28
Advertised, Eng. News, Sept. 28 and Oct. 5.
Oct. 19. Court-house plans, Peru, Ind. ..... Oct. 12
Oct. 24. Plumbing, Ft. Totten, N. Y. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.
Oct. 24. Plumbing, Willets Point N. Y. ..... Oct 19
Oct. 25. Auditorium, New Orleans, La. ..... Oct. 12
Oct. 25. Heating, etc., South Bend, Ind. ..... Oct. 12
Oct. 23. Jail cells, Oklahoma, Okla. ..... Oct. 5
Oct. 25. Heating, etc., Ft. Wayne, Ind. ..... Oct. 12
Oct. 26. School, Jersey City, N. J. ..... Oct. 12
Oct. 26. Roof and skylights, Washington, D. C. ..... Sept. 28
Advertised, Eng. News, Sept. 28 to Oct. 26.
Oct. 27. Buildings, Green Bay, Wis. ..... Sept. 28
Oct. 27. Buildings, Ft. Leavenworth, Kan. ..... Oct. 12
Oct. 30. Hospital, Newark, N. J. ..... Oct. 12
Oct. 30. Heating system, Ft. Monroe, Va. ..... Oct. 19
Oct. 31. School, Brady, Tex. ..... Oct. 19
Nov. 2. Bakery (Mfg. Plts.), Ft. Robinson, Neb. ..... Oct. 19
Nov. 6. Light fixtures, Ft. Des Moines, Ia. ..... Oct. 19
Nov. 7. Steam heating, Guthrie, Okla. ..... Oct. 19
Nov. 8. Electric light fixtures, Washington, D. C. ..... Sept. 28
Advertised, Eng. News, Sept. 28 to Nov. 9.
Nov. 9. Court-house, Marion, Kan. ..... Oct. 12
Nov. 14. Post-office, Colorado Springs, Colo. ..... Sept. 21
Nov. 15. Plumbing system, Burlington, Ia. ..... Oct. 19
Nov. 20. Building, West Point, N. Y. ..... Oct. 19
Advertised, Eng. News, Oct. 19, 26 and Nov. 16 and 23.
Dec. 12. Capitol building, Bismarck, N. Dak. ..... Oct. 5

WATER SUPPLY AND IRRIGATION.

Oct. 19. Tubular wells, Fort Ethan Allen, Vt. ..... Oct. 5
Oct. 21. Artesian well, New Orleans, La. ..... Sept. 28
Oct. 23. Water-works, electric plant, India. ..... Aug. 24
Oct. 23. Reservoir, mains, Orange, N. J. ..... Oct. 12
Advertised, Eng. News, Oct. 12.
Oct. 23. Water pipe, Avon-by-the-Sea, N. J. ..... Oct. 19
Oct. 24. Compressor, pump, etc., Kewanee, Ill. ..... Oct. 19
Advertised, Eng. News, Oct. 19.
Oct. 24. Receiving well, Huntington, Ind. ..... Oct. 19
Oct. 24. Water main, Albert Lea, Minn. ..... Oct. 19
Oct. 24. Water-works, Ciudad Juarez, Mexico. ..... Sept. 14
Oct. 25. Water main, Eveleth, Minn. ..... Oct. 19
Oct. 25. Tapping mains, etc., New York, N. Y. ..... Oct. 19
Oct. 25. Pumps, New York, N. Y. ..... Oct. 12
Oct. 26. Dam, canals, etc., Belle Fourche, S. Dak. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 2.
Oct. 28. Irrigation canals, Hood River, Ore. ..... Oct. 5
Oct. 30. Water-works, Bassett, Neb. ..... Oct. 19
Advertised, Eng. News, Oct. 19 and 26.
Oct. 30. Sinking well, Fort Dodge, Ia. ..... Oct. 19
Oct. 31. Test wells, Pensacola, Fla. ..... Oct. 12
Nov. 6. Conduit, Sec. 1, Toledo, O. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.
Nov. 6. Conduit, Sec. 2, Toledo, O. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.
Nov. 6. Water mains, Valley City, N. Dak. ..... Oct. 19
Nov. 7. Boilers and pumps, St. Louis, Mo. ..... Oct. 19
Nov. 7. Tank and trestle, Fort Stevens, Ore. ..... Oct. 19
Nov. 8. Boilers, New York, N. Y. ..... Oct. 19
Nov. 8. Irrigation canal, Denver, Colo. ..... Oct. 12
Advertised, Eng. News, Oct. 12 to Nov. 9.
Nov. 10. Steel pipe, etc., Cincinnati, O. ..... Oct. 19
Nov. 11. Water-works, East Moline, Ill. ..... Oct. 19
Advertised, Eng. News, Oct. 19 to Nov. 9.
Dec. 15. Irrigation canal, etc., Billings, Mont. ..... Oct. 19
Advertised, Eng. News, Oct. 19 to Dec. 14.
Dec. 5. Yellowstone dam, Billings, Mont. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 26.
Jan. 2. Water-works, Philippines ..... Sept. 21
Advertised, Eng. News.

SEWERAGE.

Oct. 20. Sewers, Grants Pass, Ore. ..... Sept. 28
Oct. 21. Sewer outfall, Fort Miley, Cal. ..... Oct. 5
Oct. 20. Sewers, Princeton, Ind. ..... Sept. 28
Oct. 20. Sewer system, Lake City, Fla. ..... Sept. 28
Advertised, Eng. News, Sept. 28 and Oct. 5.
Oct. 23. Main sewers, Belding, Mich. ..... Oct. 12
Oct. 23. Sewers, Avon-by-the-Sea, N. J. ..... Oct. 19
Oct. 23. Brick sewer, Jersey City, N. J. ..... Oct. 19
Oct. 24. Tile sewer, La Porte, Ind. ..... Oct. 19
Oct. 24. Trunk sewer, Albert Lea, Minn. ..... Oct. 19
Oct. 24. Sewers, Wauseon, O. ..... Oct. 12
Oct. 24. Sewers, Cleveland Heights, O. ..... Oct. 5
Oct. 25. Sewer, Akron, O. ..... Oct. 19
Oct. 26. Main sewer, etc., Portsmouth, O. ..... Oct. 5
Oct. 27. Sewer mains, North Platte, Neb. ..... Oct. 12
Oct. 27. Pipe sewer, Des Moines, Ia. ..... Oct. 19
Nov. 2. Purification works, Columbus, O. ..... Oct. 5
Advertised Eng. News, Oct. 5 to Nov. 2.
Nov. 4. Pipe sewer, Grosse Pointe Farms, Mich. ..... Oct. 12
Nov. 6. Concrete sewer, Plainfield, N. J ..... Oct. 12
Advertised, Eng. News, Oct. 12.
Nov. 6. Sewers, Napoleon, O. ..... Oct. 12
Nov. 6. Sewers, Glendale, O. ..... Oct. 12
Nov. 6. Sewer system, North Yakima, Wash. ..... Oct. 19
Nov. 7. Sewers, Chattanooga, Tenn. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.
Dec. 11. Sewerage, Sheldon, Ia. ..... Oct. 12
Jan. 12. Sewer system, Philippines ..... Sept. 21
Advertised, Eng. News.

STREETS AND ROADS.

Oct. 19. Cement walks, etc., Trenton, O. ..... Oct. 12
Oct. 19. Road, Jersey City, N. J. ..... Oct. 12
Oct. 20. Paving, Green Bay, Wis. ..... Oct. 5
Oct. 23. Paving, Sherman, Tex. ..... Oct. 5
Oct. 23. Macadamizing, Beloit, Wis. ..... Oct. 12
Oct. 23. Concrete roadway, Savannah, Ga. ..... Oct. 12
Oct. 24. Macadamizing, Cincinnati O. ..... Oct. 5
Oct. 21. Roads, Concord, N. H. ..... Oct 19
Oct. 23. Paving, Sharon, Pa. ..... Oct 19
Oct. 23. Macadamizing, Bowling Green, O. ..... Oct. 19
Oct. 23. Paving, asphalt, Cincinnati, O. ..... Oct. 19
Oct. 25. Paving, Brooklyn, N. Y. ..... Oct. 19
Oct. 25. Paving, Altoona, Pa. ..... Oct. 19
Advertised, Eng. News, Oct. 19.
Oct. 25. Paving, Hoboken, N. J. ..... Oct. 12
Oct. 26. Sidewalks, Ashland, Wis. ..... Oct. 19
Oct. 26. Mudshell, Galveston, Tex. ..... Oct. 19
Oct. 28. Paving, Spokane, Wash. ..... Oct. 19
Nov. 1. Paving, asphalt, Cincinnati, O. ..... Oct. 19
Nov. 1. Paving, Steelton, Pa. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.
Nov. 6. Paving, Cincinnati, O. ..... Oct. 19
Nov. 6. Roads, Crownpoint, Ind. ..... Oct. 19
Nov. 6. Paving vitrified brk., Moundsville, W. Va. ..... Oct. 19
Nov. 10. Road, Cincinnati, O. ..... Oct. 19
No date. Grading, Baltimore, Md. ..... Oct. 12
Advertised, Eng. News, Oct. 12.

MISCELLANEOUS CONTRACTS.

Oct. 19. Ditch work, Slayton, Minn. ..... Oct. 12
Oct. 19. Ditch work, Moorhead, Minn. ..... Oct. 5
Oct. 20. Ditch, Rockwell City, Ia. ..... Oct. 12
Oct. 20. Pier work, sand, New York, N. Y. ..... Oct. 12
Oct. 20. Ditch work, Crookston, Minn. ..... Oct. 12
Oct. 21. Dredging, Washington, D. C. ..... Sept. 28
Advertised, Eng. News, Sept. 28 to Oct. 26.
Oct. 23. Rehandling machine, Philadelphia, Pa. ..... Sept. 21
Advertised, Eng. News, Sept. 21 to Oct. 19.
Oct. 23. Vacuum cleaning system, Lincoln, Neb. ..... Oct. 5
Oct. 23. Drain, Clarinda, Ia. ..... Oct. 12
Oct. 23. Canal lock, Savannah, Ga. ..... Oct. 12
Oct. 24. Cable, cement, etc., Washington, D. C. ..... Oct. 12
Oct. 24. Elevating equipment, etc., Wash., D. C. ..... Oct. 12
Oct. 25. Concrete dock, Chicago, Ill. ..... Sept. 7
Oct. 25. Wharf, etc., California City Point, Cal. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Oct. 25. Concrete shed, New York, N. Y. ..... Oct. 19
Oct. 26. Park work, New York, N. Y. ..... Oct. 19
Oct. 27. Ferry boat parts, New York, N. Y. ..... Oct. 19
Oct. 27. Rip-rap, sea wall, New York, N. Y. ..... Sept. 28
Advertised, Eng. News, Sept. 28 to Oct. 26.
Oct. 28. Earth removal, Portsmouth, N. H. ..... Oct. 5
Oct. 28. Dredging, etc., Philadelphia, Pa. ..... Oct. 19
Oct. 30. Ferry house, New York, N. Y. ..... Oct. 19
Oct. 30. Dredging, Washington, D. C. ..... Oct. 5
Advertised Eng. News, Oct. 5 to Nov. 2.
Nov. 1. Jetty, Washington, D. C. ..... Oct. 5
Advertised, Eng. News, Oct. 5 to Nov. 2.
Nov. 1. Lock, dam, etc., Chicago, Ill. ..... Sept. 7
Advertised, Eng. News, Sept. 7.
Nov. 1. Portland cement, Denver, Colo. ..... Oct. 12
Advertised, Eng. News, Oct. 12 to Nov. 2.
Nov. 1. Retaining wall, Cincinnati, O. ..... Oct. 12
Nov. 2. Wreck removal, Norfolk, Va. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.
Nov. 3. Canal, bridges, etc., Port Huron, Mich. ..... Oct. 12
Advertised, Eng. News, Oct. 12 to Nov. 2.
Nov. 3. Ammunition hoists, Washington, D. C. ..... Oct. 5
Advertised, Eng. News, Oct. 5 to Nov. 2.
Nov. 3. Breakwater, Port Burwell, Ont. ..... Oct. 19
Nov. 4. Tile drain, Raymond, Ill. ..... Oct. 12
Nov. 6. Garbage disposal, New York, N. Y. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 9.
Nov. 6. Dam, Phoenix, Ariz. ..... Oct. 19
Nov. 7. Lime, roofing, etc., Cuba. ..... Oct. 12
Nov. 9. Wharf, etc., Havana, Cuba. ..... July 27
Nov. 15. Irrigation canals, Glendive, Mont. ..... Sept. 28
Advertised, Eng. News, Sept. 28 to Nov. 9.
Nov. 20. Concrete wall, Chattanooga, Tenn. ..... Oct. 12
Advertised, Eng. News, Oct. 12 to Nov. 16.
Nov. 28. Fire alarm, Mare Island, Cal. ..... Oct. 19
Dec. 2. Concrete quay wall, Cuba ..... Oct. 19
Dec. 2. Concrete wall, Key West, Fla. ..... Oct. 19
Dec. 15. Railways, Philippines ..... Sept. 21
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
Jan. 2. Railroad, Chile ..... Aug. 24
Jan. 9. Wharf work, New Zealand ..... Oct. 19
No date. Steel rolled beams, New York, N. Y. ..... Oct. 12
Advertised, Eng. News, Oct. 12 and 19.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ANDERSON & SALINE RIVER.—Capital stock has been increased from $20,000 to $56,000 to cover additional expense of building 18 miles of railway from Clio, Ark., northwesterly. The incorporators of this company are J. B. York, J. F. Rutherford, C. J. Sanstag, Robert York and G. W. Richie, of Pine Bluff, Ark.

BANGOR TERMINAL.—This company has applied for a charter in Maine to build a railroad from Bangor to a connection with the Northern Maine Seaport Railroad, a branch of the Bangor & Aroostook about six miles. Capital stock, $36,000. Directors: Arthur Chapin, C. D. Stanford, L. C. Tyler and others of Bangor, Me.

CHICAGO & ALTON.—We are informed that contracts have been let and that work is now under construction for 52 miles of second track, between Bloomington and Sherman, Ill. G. H. Kimball, Chicago, is Ch. Engr.

COAL BELT RAILWAY.—S. B. Milner, Pres., Salt Lake City, Utah, states that this company, newly incorporated, will build a railroad from Spanish Fork, Utah, through Utah, Wasatch and Carbon Counties to coal mines in Carbon County, a distance of 89 miles. Surveys have been completed and it is expected to begin construction during the coming winter. Contracts have not yet been let. Maximum grade, 2%; maximum curvature 10°; weight of rail, 75 lbs. A. C. Milner is vice-Pres.; H. E. Jenkins, Secy.; Frank Knox, Treas., and F. P. Jacobs, Ch. Engr., with headquarters at Salt Lake City, Utah. Noted last week.

CENTRAL RY. OF MISSOURI.—We are informed that W. K. PALMER, 718 Dwight Bldg., Kansas City, Mo., has the contract for the engineering work connected with the Central Railway of Missouri, which is to be built from Miami to Marshall, Mo., and from Marshall to Sedalia, Mo., approximately 50 miles. A completely equipped field party from his office is now engaged in making the surveys and locating the line.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—We are informed that C. A. Paquette, Division Supt., is now working upon detail plans for track elevation of railways entering Indianapolis. The first track elevation resolution, under the law passed by the last session of the Legislature, has been adopted by the Board of Public Works of Indianapolis, and has been agreed to by representatives of the Cleveland, Cincinnati, Chicago & St. Louis Ry. and the Vandalia R. R. Provision has been made for the elevation of tracks and the depression of the streets at Kentucky Ave. and Missouri and West St. crossings, and for the erection of a new bridge over White River for the Vandalia. Estimated cost is $300,000. G. W. Kittredge, Cincinnati, is Ch. Engr. of the C., C., C. & St. L., and F. T. Hatch, St. Louis, Mo., is Ch. Engr., Vandalia. Work is to begin at once.

CAIRO & THEBES.—This company has been incorporated in Illinois, with a capital of $10,000, to build a railroad from Cairo, Alexander County, Ill.; northwest to Thebes, about 25 miles. The incorporators include: E. A. Smith, W. J. Johnson, D. Hartman, G. J. Becker and J. H. Galligan, all of Cairo.

CLEAR LAKE & SOUTHERN.—Incorporated in California to build a railroad through Marin, Sonoma, Napa and Lake Counties to the town of Lakeport, connection to be made with San Francisco by ferryboats from the terminus on the Marin County shore. A branch is to run from San Rafael to San Quentin and another branch from the town of Reclamation, Sonoma County, to Petaluma. Capital stock, $3,500,000. Incorporators: Joseph P. Lucey, W. E. Cashman and William T. Love, of San Francisco; Guy C. Calden, of Oakland; and Kent J. C. Seymour, of Mill Valley.

CHESTERFIELD & LANCASTER.—An extension will be built west from Ruby, S. C., 18 miles. Engineers are now locating the line. A. T. Page, Cheraw, S. C., is Supt. A. H. Page is Gen. Mgr.

CANADIAN PACIFIC.—At the annual meeting of the Canadian Pacific Railway on Oct. 4 the stockholders authorized the directors to issue $7,500,000 of additional capital stock for the purchase of equipment, and additional consolidated debenture stock at the rate of $30,000 a mile on the Wolseley extension, with $800,000 more for the construction of two steamers for the Atlantic service. Sir Thomas G. Shaughnessy, Montreal, Que., is Pres. Wm. Downie, St. John, N. B., is Gen. Supt. Atlantic Division.

CHICAGO, INDIANAPOLIS & EVANSVILE.—Company proposes to build a coal road from Evansville to Indianapolis and Indiana Harbor, Ind. Wm. Kenefick, of Kansas City, Pres. Missouri, Oklahoma & Gulf Ry., is said to be interested. The line will pass through Vanderburg, Warrick, Gibson, Pike, Daviess, Martin, Lawrence, Monroe, Morgan, Johnson Marion, Hamilton, Howard, Boone, Clinton, Cass, White, Pulaski, Starke, Porter and Lake Counties, a distance of 325 miles. Company has been chartered with $325,000 capital. Incorporators are given as Maurice Cahill, Isaac N. Ritchie, Claude G. Ritchie, Charles E. Schrorer, Scott V. Smith, Lewis Wallace, Charles B. Rockwood, Henry J. Brandon, Linn B. Hay, Charles A. Deneen, Nathaniel M. De Bruin, Clyde D. Woodfill and O. B. Jameson, all of Indianapolis.

CHICAGO & NORTHWESTERN.—We are informed that the extension this company is building from Casper, Wyo., is known as the Wyoming & Northwestern Railway. The contracts have all been let to the KILPATRICK BROS. & COLLINS CONTRACTING CO., Beatrice, Neb., and the work is now under way.

CHICAGO, DESPLAINES & FOX RIVER.—Incorporated in Illinois with a capital of $1,000,000, to build a railroad from Chicago north and northwest through the counties of Cook and Lake to McHenry County, Ill., a distance of about 50 miles. The incorporators include: George W. Bryson, Wm. S. Reed, Ernest T. Ross, Walter C. Gunn and William K. Kenly, all of Chicago.

DUE WEST R. R.—Company has been incorporated in South Carolina, with $22,000 capital, to build and operate a standard gage railway between Due West, S. C., and Donnalds. The length of the road will be four miles. The persons interested are R. S. Galloway, James Boyce, R. C. Brownlee, N. B. Clinkscales, J. W. Wideman, P. L. Grier, J. R. Bell, E. L. Reid, J. C. Tribble, Rev. F. Y. Pressley, E. P. Kennedey and A. S. Kennedey, all of Due West, S. C.

GRAND VALLEY, COLORADO RIVER & SOUTHERN PACIFIC.—We are informed that survey is partly made and right-of-way secured for this railway. It will be 1,250 miles long. Company is not yet prepared to start construction, having 180 miles of surveying yet to do, from Grand Junction, Colo., to the head of the Colorado River. Capital has been arranged for construction of 180 miles. Contracts will be let as soon as practicable. The railway will extend from Grand Junction, Colo., via Radium, Utah; Moab, Utah, and to the Colorado River. Gid. R. Propper is Pres. and A. L. Hartridge, Ch. Engr., at Basin, Utah.

HAYNEVILLE & MONTGOMERY.—Incorporated in Alabama to build a railroad from Hayneville to Tyson, thence to Montgomery; also from Hayneville to Big Swamp, in Lowndes County. The incorporators are W. T. Davis, G. E. McGehee, Charles Schuessler and others, of Lafayette, Ala. Capital stock is $50,000.

KENTUCKY & TENNESSEE R. R.—We are advised by Willard Griffith, Engr., Stearns, Ky., that survey is being made for bridges over Big Smith fork of the Cumberland River and that a survey will be started soon for an extension of this railway.

KENTUCKY.—We are informed that location survey has been made for about 3½ miles of railroad for the Bear Creek Coal Co. which will open up coal mines. Construction will begin soon. Willard Griffith, Stearns, Ky., is Engr.

LAS VEGAS & TONOPAH.—J. Ross Clark, Pres., Los Angeles, Cal., will receive bids for grading this railway at once. The construction work will be done by the company's forces, it is said. Noted fully on Oct. 5.

LAKE SUPERIOR SOUTHERN.—We are informed that right-of-way is practically all bought and capital secured. Contracts will be let this winter for equipment and contract for construction will be let probably next March. The line will be 160 miles long, from Huron Bay, Mich., via Arvon, to Champion, Mich. M. C. Phillips, Oshnosh, Wis., is Pres.; Geo. A. Young, Oshkosh, is Ch. Engr.

MORGANTOWN & DUNKARD VALLEY.—This company has been formed to build a railroad from Morgantown to Wadestown, W. Va., about 25 miles. Incorporators are Sanford Barrickman, L. L. Thomas, E. T. Ttewart, Elias C. Tennant, C. L. Eakin, J. W. Sanders, P. M. Johnson, Lee R. Shriver, W. B. Minor, C. S. Tennant, Titus Lemley, Jacob R. Moore, Plummer C. Core, William F. Staggers, W. P. Barker, W. W. Lemley, D. R. Hoffman, W. E. Arnett, Geo. W. Johnson and W. W. Smith. Headquarters at Morgantown, W. Va. Capital, $500,000. George W. Johnson is Ch. Engr., and will receive bids for construction work.

MISSOURI PACIFIC.—It is announced that this railway has begun work on important terminal improvements at Kansas City, Mo., to cost $1,000,000. Herbert Murphy is in charge, with title of Division Engineer of the Kansas City terminals.

NORTHERN NEW MEXICO & GULF.—Incorporated in New Mexico, with a capital of $300,000, to build a railroad from the Santa Fe Central at Santa Fe northwest toward Arizona. The proposed road will cross the Tesque Pueblo grant, follow the Rio Grande River north from San Ildefonso and Santa Cruz by way of Santa Clara, and thence across the Rio Grande River to Espanola. It will then follow the Chama River west and the Gallinas River into Sandoval County, and thence across the Canyon Largo into San Juan County via Fruitland, to the New Mexico-Arizona boundary. There will be a branch line to Farmington. Aztec and Durango, Colo. The incorporators include: Wm. H. Coe, of New York; E. B. Miller, of El Rito; F. E. Coe, of Denver; G. H. Howard, of Santa Fe; and G. V. Howard, of Boulder, Colo. Headquarters at El Rito, N. Mex.

OREGON SHORT LINE.—The UTAH CONSTRUCTION CO., of Ogden, Utah, has contract to grade the extension from St. Anthony to Marysville, Cal.

PIERRE, RAPID CITY & NORTHWESTERN.—We are advised that contract for building this railway from Pierre to Rapid City, S. Dak., 165 miles, has been awarded to WINSTON BROS. CO., Minneapolis, Minn. Edward C. Carter, 22 Fifth Ave., Chicago, Ill., is Ch. Engr. Fully noted on Sept. 28.

SHREVEPORT NORTHEASTERN. — We are informed that contract for track-laying will be awarded about Jan. 10. The railway will be 80 miles long, from Shreveport, La., via Minden and Homer, La., to Eldorado, Ark., and eventually to Memphis, Tenn. Surveys are completed from Shreveport to Homer and nearly all right-of-way is obtained. Capital is secured. Grading is now in progress between Minden and Homer. A. K. Clingman, Shreveport, is Pres.; A. Kinnabrew, Homer, is Ch. Engr.; S. C. Fullilove, Shreveport, is Secy. Capital stock is $2,000,000.

SOUTHERN PACIFIC.—We are advised that the S. P. Ry. is now building an extension from Drain, Ore., via Elkton, Scottsburg, Reidsport and North Bend, to Marshfield. Engineers are now in the field and right-of-way is being secured along the line. W. Hood, San Francisco, Cal., is Ch. Engr.

SOUTHERN RY.—We are informed that McARTHUR BROS. CO., of Chicago, has contract to build an extension from Jasper to French Lick, Ind., 25 miles. Work is under way at both ends of the line. C. C. Coffee is Engr. Maintenance of Way, St. Louis, Mo.

VEBLEN & NORTHWESTERN.—We are informed that this company has made a preliminary survey for proposed 40-mile line from Star, S. Dak., to a point on the Chicago, Milwaukee & St. Paul Ry., near Wheaton. The terminal will be at Veblen, S. Dak. Twelve miles of line have been located and cross-sectioned. Contracts have not been let. The matter probably will not be undertaken until next spring. Right-of-way is mostly secured. C. L. Haydock, Huron, S. Dak., is Ch. Engr., M. J. Hawley, Veblen, is Pres.

WALLULA PACIFIC.—We are informed that contracts will be let when survey of 200 miles to Vancouver, Wash., is completed, which probably will be in about four weeks. The line will be 325 miles long and will run from Wallula, Wash., to Vancouver, Kolama and Ilwaco, Wash. Survey is made for first 160 miles. L. Gerlinger is Pres. and J. R. Holman is Ch. Engr., at Portland, Ore.

YOSEMITE SHORT LINE RY.—We are advised that contract for building this railway has been let to the TUOLUMNE CONSTRUCTION CO., Crocker Bldg., San Francisco, Cal., and that construction has been commenced. Surveys are nearly completed and right-of-way is being rapidly acquired. Capital is secured. The line will be 70 miles long, extending from Jamestown, Cal., to the Yosemite Valley. F. J. Solinsky, Crossley Bldg., San Francisco, is Pres.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

HAVERHILL, MASS.—It is reported that construction of the Boston & Haverhill Electric Railway will be started early next year. The line would be built to Boston and to Manchester, N. H., from Haverhill. E. B. Fuller is Counsel and Ralph D. Hood is Engr., at Haverhill.

MONSON, MASS.—FRED T. LEY & CO., of Palmer, Mass., have contract to build the Springfield & Eastern St. Ry. extension to Fiskdale, via Brimfield. Noted last week.

SOUTH FRAMINGHAM, MASS.—W. H. GROSE & CO., 54 Kilby St., Boston, have been awarded the contract for constructing an electric road in South Framingham for the South Middlesex Street Railway Co. Cost, $8,000.

ROCHESTER, N. Y.—The Rochester & Southern Electric Ry. Co. will be incorporated to construct a line from Rochester to Danville, Bath, Corning and Elmira, N. Y. The directors will be Stephen J. Hollister, James S. Graham, Walter B. Duffy, W. A. Sutherland, Benjamin E. Chase and Fedor Willimek, of Rochester; County Judge William W. Clarke, of Wayland; O. F. Lieders, of Wayland; J. M. Edwards, of Dansville, and George A. Engert, 42 Broadway, New York City. The company will have trackage rights to the business center of Rochester over the tracks of the Rochester Railway Co. From its northern terminus the road will go to West Brighton, West Henrietta, East Avon, Lakeville, North Conesus, Scottsville, Dansville, Perkinsville, Wayland, Atlanta, North Cohocton, Cohocton, Wallace, Avoca, Kanona, Bath, Savona, Campbells, Coopers, Painted Post, Corning, Big Flats, Horseheads and Elmira.

ALPANY, N. Y.—We are advised that the proposed railway between Rensselaer, N. Y., East Greenbush, Sand Lake, Nassau and Stephentown, N. Y., and Hancock, Mass., 28 miles, has been surveyed and maps made. The railway will be known as the Albany & Eastern Electric Ry. Co. The line will continue east through the Berkshire hills to Northampton, Mass., over railways now in operation or soon to be. No officers are elected and organization is not completed. J. F. Lape, Rensselaer, N. Y., is interested. Estimated cost is $2,000,000.

ROCHESTER, N. Y.—The Buffalo & Rochester Traction Co. was incorporated on Oct. 16, in New York state, to build and operate an electric railway from the village of Depew, Erie County, to Rochester, a distance of 61½ miles, through Erie, Genesee, Livingston and Monroe Counties. The capital is $3,500,000. The directors are Henry H. Kingston, J. Andrews Harris, Jr., John J. Collier, Horatio A. Foster, T. Henry Dixon and Samuel Welsh, of Philadelphia, and George A. Ricker, William B. Cutter and Herbert P. Bissell, of Buffalo. The principal office is in Depew.

CAMDEN, N. J.—Samuel Rea, fourth vice-Pres. of the Pennsylvania Ry., is chairman of a committee of the company's experts appointed by President A. J. Cassatt to prepare a report for the officers and directors of plans, route and method of construction for the electrification of one of the company's lines between Camden and Atlantic City. N. J. T. N. Ely, Philadelphia, is Ch. of Motive Power.

NEW CASTLE, PA.—It is announced that the Shenango & Mahoning Valley Traction Co. (formerly the Pennsylvania & Mahoning Valley Ry.) will spend $3,000,000 in improving its line. New passenger stations and freight stations are contemplated. A line will be built to West Pittsburg and possibly to Ellwood City from New Castle. M. E. McCaskey, Youngstown, O., is Gen. Mgr.

BERKELEY SPRINGS, W. VA.—F. B. Banister and S. H. Bowman have been granted a 50-year franchise to build an electric railway from Berkeley Springs to Hancock, Md. Construction must begin within six months from Oct. 1, and be completed in two years.

ANDERSON, S. C.—Surveys will be run soon for the Anderson & Easley Electric Ry. line between those cities. Capital of company is $100,000. Company has made application for a charter. R. Frank Smith, of Easley; J. J. Fretwell, J. B. B. Tucker, C. L. Guyton, J. M. Long, J. B. Spearman, A. C. Webb, W. S. Mauldin and L. R. Watson, of Anderson, are the incorporators.

TAMPA, FLA.—The Jetton-Dekle Lumber Co., of Tampa, is promoting a railway between Tampa and points along west coast of Florida. Several routes are under consideration. One line is from Tampa via Rocky Point, Green Springs, Seven Springs, Safety Harbor to Indian Rocks and Clearwater to Petersburg. Another route is from Tampa by way of Lake Butler and Clearwater to Indian Rocks and down the coast through Pinellas to Tarpon Springs and possibly to Anclote. The railway will be a standard gage road. The steam locomotives for freight service and gasoline motors for passenger service. Joel McMullen, of Largo, is interested.

MOUNT STERLING, KY.—Plans for an electric railway from Mount Sterling to Paris, Ky., is being promoted by Thomas Alexander, W. A. Thomas and others. Right-of-way has been acquired. Estimated cost, $400,000.

ALLIANCE, O.—Corps of engineers are now running the survey for the electric railway from Akron & Cleveland Electric Railway Co. Hugh Blakeley is said to be interested. B. M. French, of Salem, is Secy. Engr. Thomas Moore, Elizabeth, N. J., is Consulting Engr. E. R. Morgan, Ch. Engr. right-of-way.

ATHENS, O.—The Nelsonville & Glouster Traction Co. has been incorporated with $10,000 capital stock, by L. F. Carpenter, F. E. Wells, W. B. C. Wise, Charles Tutt and others. It is proposed to build a line between the towns mentioned in the title, all of which are in the coal mining district of Athens County.

CINCINNATI, O.—We are informed that capital for constructing the Cincinnati & Fort Wayne Ry. has been secured. Survey and right-of-way are completed. Date for receiving bids is not fixed. The line will be 194 miles long, from Cincinnati to Fort Wayne, Ind. Starting at Cincinnati the southern division will run directly north, passing through Miamitown, Rossville, Hamilton, Seven Mile, West Elkton, Eaton, Farmersville, Liberty, then into Indiana, where an elaborate terminal station will be erected. The northern division will run through Stillwater Junction, Trotwood, Arcanum, Hill, Brookville, Phillipsburg, Germantown, Laura, Bradford, Webster, Arcadia, Frenchtown, Brock, North Star, Casstown, Cranberry, Carthaginia, Montezuma, Celina, Stedka, Rockford and Willshire in Ohio, and through Decatur, Friedham, Pontiac, Farmers and Ft. Wayne, Ind. Samuel F. George, Dayton, O., is Pres.; W. S. Smith, Toledo, is Ch. Engr.

DOVER, O.—We are advised that contracts will be let in spring of 1906 for building the Suburban Improvement Co.'s railway from Dover to Lorain, by way of Avon and South Lorain, 14 miles. 90% of right-of-way is secured and surveys completed. Gasoline or electricity will be the motive power. Sig. Lederer, Cleveland, is Pres. Engineer is the Pease Engineering Co., Williamson Bldg., Cleveland, O.

MARION, IND.—We are informed that contract has been awarded to the MANSFIELD CO., of Indianapolis, to build the Marion, Bluffton & Eastern Traction line from Bluffton, through Liberty Center, Bucheye, Warren, Milo, Van Buren, Landesville, Handfield and Marion, in Ind., 32 miles. Surveys are made and right-of-way all secured. The contracting company will grade, build fences and bridges, etc. It is planned to have road completed from Marion to Van Buren, ten miles, by Dec. 1, and the balance by July 1, 1906. L. C. Davenport, Bluffton, Ind., is Pres.; the Riggs-Sherman Co., Toledo, O., is Engr.

JEFFERSONVILLE, IND.—The Louisville & Southern Indiana Traction Co. may extend its line north from Jeffersonville to Columbus or Seymour, Ind. R. W. Waite is vice-Pres., New Albany, Ind.

ANDERSON, IND.—We are advised that company which is to build an electric railway from Anderson to Lebanon, via Noblesville, has not been financed yet. Franchises are all obtained and preliminary surveys and reports have been submitted. Wallace B. Campbell, Anderson, is the promoter. Mr. Campbell was recently granted an extension of time from April, 1906, to April, 1907, in which to build the line.

LOGANSPORT, IND.—We are informed that right-of-way is secured for the Indianapolis, Logansport & South Bend Ry. from Logansport to South Bend, via Meter, Rochester, Bremen, Wyatt, Woodland and Mishawaka. Surveys are completed and arrangements are being made with the Westinghouse Construction Co., of Chicago, to finance and build the line. Construction has not commenced. Samuel Pearly is Pres. and Frank Leslie Ch. Engr., at South Bend. The line will be 75 miles long.

DETROIT, MICH.—The Detroit & Bay City Traction Co. has filed a mortgage to secure a bond issue of $3,500,000. This company plans to build an electric railway from the Saginaw coal fields to Detroit over a private right-of-way.

MILWAUKEE, WIS.—John I. Beggs, Pres. Milwaukee Electric Ry. & Light Co., has announced that this company will extend its line to Watertown, when the present extension from Waukesha Beach to Oconomowoc is completed. This may be undertaken in 1906.

ST. JOSEPH, MO.—It is planned to raise funds for an electric railway from St. Joseph to points in Doniphan County, Kan. The St. Joseph Retail Merchants' Association has appointed J. C. Wyatt, Harry Black and W. S. Kinnison as a committee to consider the scheme. Committees from towns along the proposed route were named as follows: Wathena, Kan.—Dr. W. W. Carter, R. H. Larzelere and A. W. Thomason. Elwood, Kan.—W. W. Wolf, P. S. Hickman and D. E. Saeger; Highland, Kan.—Dr. H. H. Smith, G. J. Ratcliffe and Jacob Stout.

BARABOO, WIS.—At a recent meeting of the city council a committee consisting of M. F. Foley, F. Effinger, George W. Andrews, Charles Wild and J. F. Kastick, of which Mayor E. G. Marriott is chairman, was appointed to confer with N. Wetzel, Pres. of the Dells Co., of Kilbourn, Wis., with a view of connecting the Dells of Wisconsin

and Devils lake with an electric railroad. The road, for which the right-of-way has already been secured, will cost about $50,000.

FAIRFIELD, IA.—We are informed by Cason & Barrett, Engrs., Dwight Bldg., Kansas City, Mo., Consult. Mech. and Elec. regarding the proposed electric road connecting Fairfield and Keosaqua, Ia., that the original survey made to connect these two points, via Birmingham, was nearly completed and proved conclusively that the road was impracticable from both an engineering and financial standpoint and was therefore abandoned. A second survey was immediately started connecting these towns, via Stockport. This route will make the road 30 miles instead of 22 miles long. Financial backing is desired, we are advised by Attorney E. R. Smith, of Fairfield, and also some one to build the entire railway.

MONETT, MO.—We are informed that C. W. Copeland, who was recently granted a 33-year franchise, will begin construction of a 7-mile railway system in this city about Nov. 1. No contracts have been let. The line will be extended to Pierce City. Surveys are made and necessary right-of-way obtained.

CORSICANA, TEX.—We are advised that Cason & Barrett, Engrs., Dwight Bldg., Kansas City, Mo., have been engaged to make preliminary survey and investigation of proposed electric road connecting Corsicana, Fairfield and Palestine, Tex., a distance of 75 miles. J. V. Watkins, of Corsicana, is promoting the enterprise and states that he has ample capital back of him to put the proposition through. It is planned to begin construction about Nov. 1.

SAN BERNARDINO, CAL.—We are informed that surveys are made and right-of-way secured, as well as capital, for the San Bernardino Valley Traction Co.'s cut-off to Redlands, three miles. Contracts will be awarded within next 60 days. A. C. Denman, Jr., is Pres., San Bernardino.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BIDDEFORD, ME.—Contract for electric lighting and power at the Pepperell Mfg. Co.'s mills has been awarded to the YORK LIGHT & HEAT CO., E. J. Sullivan, Supt.

LOWELL, MASS.—The bid of the Cleveland Street Lighting Co., of Cleveland, O., was the lowest submitted for lighting city streets at was $24.20 a light a year on a 5-year contract.

MEDFORD, MASS.—Municipal lighting plant is said to be under consideration.

MEDFORD, MASS.—The WOODBURY & LEIGHTON CO., 165 Devoushire St., Boston, has been awarded the contract for constructing a power house at Medford for the Boston Elevated Street Railway Co., 101 Milk St., Boston. Cost, $30,000.

NEWPORT, R. I.—The contract for building the power-house at the Naval Training Station for the new barracks for apprentice seamen has been awarded to M. A. McCORMICK, at $19,000. DARLING & SLADE, of Newport and Fall River, will supply the steam conduit system, at $3,500. The contract for the installation of a panel switchboard for the power-house, which will cost about $5,000, has not been awarded as yet.

NEW YORK, N. Y.—Bids are asked until Oct. 24, 11 a. m., for new switchboard and for remodelling electric light plant in power house on Hart's Island, Borough of Manhattan. Francis J. Lantry, Comr. Department Correction.

SEABRIGHT, N. J.—Bids are asked until Oct. 25 for furnishing lights to this borough for one year, from Nov. 5, 1905, to Nov. 5, 1906.

DANVILLE, PA.—Bids are asked by Dr. Levi L. Shoemaker, Chn. Building Com. Bd. Trustees State Hospital for the insane, until 10 a. m., Oct. 27, for the erection of power house, electric generator plant, engines, boilers, motors, etc., and wiring. Philip H. Johnson, Arch., 1826 Land Title Bldg., Philadelphia, Pa. (Advertised, Engineering News.)

BALTIMORE, MD.—Bids were received on Oct. 11 for maintaining gasoline and naphtha lamps in city streets for periods of one, two, three and five years. The bid of the American Lighting Co., of Baltimore, was the lower on each contract, as follows: one year, $28; two, $27.50; three, $27; five, $27.

WASHINGTON, D. C.—W. B. Upton, Arch., Loan & Trust Bldg., has invited bids for a power house for the Industrial Home School.

ALEXANDRIA, VA.—We are informed that bids were opened by the city council for franchise for lighting the city with electricity. W. T. Barstow offered $8,500 for the franchise and old plant, agreeing to furnish arc lights at $75 per light, and current to consumers 7c. per kilowatt hour. He agrees to give the city 5% of the gross receipts, and allow a 10% discount for city light and heat. Alternative bids were made by Mr. Barstow. He offered to pay $5,000 for the franchise, and agreed to furnish the city arc lights at $75, or $10,000 for the franchise, the city to pay $82.50 for arc lights, or $13,500 for the franchise and old plant, the city to pay $82.50 for arc lights. The other bid was submitted by D. J. Howell and L. E. Sinclair, who offered $5,000 for the franchise and old plant, agreeing to furnish arc lights at $65, and to pay the city 10% of the gross receipts. They would furnish light to consumers at 10c. per kilowatt hour.

MORGANTOWN, W. VA.—The Morgantown & Dunkard Valley Railroad Co. will erect a power house. George W. Johnson, Morgantown, is Ch. Engr.

JACKSONVILLE, FLA.—Bids were recently received for furnishing two 500 KW. steam turbine generators, with all necessary equipment, for the extension of the city electric lighting plant, as follows: General Electric Co., of Schenectady, N. Y., $38,963; Providence Engineering Works, of Providence, R. I., $40,945; Allis-Chalmers Co., of Milwaukee, Wis., $36,135; Westinghouse Machinery Co., of Pittsburg, Pa., $36,767 for bid "A" and $35,367 for bid "B"; Warren Electric Manufacturing Co., of Sandusky, O., $31,925; two bids, single flow and double flow, same for each.

LEXINGTON, KY.—The Central Kentucky Natural Gas Co., capital $1,500,000, has been chartered here by Judge J. H. Hazelrigg, of Frankfort, and Joseph Seep, E. Strong and R. S. Hampton, of Oil City, Pa. Company will acquire the natural gas franchises in the cities of Mt. Sterling, Winchester and Lexington, Ky., and other towns for the purpose of constructing, laying, operating and maintaining a system of natural gas lines, and to lease lands, acquire gas wells, etc.

DAYTON, O.—We are advised that D. M. GEST, 277 Broadway, New York, has been awarded a contract for the construction of a complete electrical subway system for the Dayton Lighting Co. The contract calls for subway installation for the whole city, covering 20 miles of streets, and involving over 1,000,000 ft. of conduit. Cost, about $250,000.

WEST TERRE HAUTE, IND.—Town board has granted a franchise to the West Terre Haute Light & Power Co., composed of Claude Erwin and Samuel C. Stimson, to construct and operate an electric light and power plant for 25 years.

INDIANAPOLIS, IND.—The Commissioners of Marion County have awarded the contract for a smoke-consuming and fuel-saving device for the county power house to the WESTINGHOUSE MACHINERY CO., of Pittsburg, Pa., for $5,400.

The Indianapolis Union Ry. Co. will receive bids for a heating and lighting plant for the Union station. Cost, about $75,000, it is reported.

GRAND RAPIDS, MICH.—Specifications for direct-connected engine, etc., for lighting municipal buildings, as advertised in Engineering News on Oct. 12, are on file at the New York office of Engineering News. Bids are asked until Oct. 20th, 1.30 p. m.

CHICAGO, ILL.—Bids are asked until noon, Oct. 25, by South Park Commissioners for furnishing and erecting machinery in power house in Washington Park as follows: One cross compound condensing engine for direct connecting to a 1,000 KW. generator, one cross compound condensing engine for direct connecting to a 500 KW. generator, one 1,000 K. V. A. three-phase, 60 cycle A. C. generator, one 500 K. V. A three-phase, 60 cycle A. C. generator, two 350 HP. water tube boilers, automatic stokers and superheaters, one 1,000 K. V. A. three-phase, 60 cycle turbo alternators, one 500 K. V. A. three-phase, 60 cycle turbo alternators. E. G. Shumway, Secy.

BREESE, ILL.—We are informed that all bids received on Oct. 9 for entire power plant and equipment for the Breese Water & Light Co. were rejected. New bids are asked until 10 a. m., Oct. 30. Victor J. Klutho is Arch., 202 North Ninth St., and William H. Bryan is Consulting Engr., both of St. Louis, Mo. The work is divided up as follows: Section A—Building, brick walls, concrete floors, composition gravel roof; (B) one new boiler, 5 ft. × 20 ft., with 44 4-in. tubes, f. o. b. Breese; (C) erection of boiler in position, also delivery of two old boilers from old pumping station, 9,000 ft. distant, and erection in new power house, with brick work and boiler and engine foundations; (D) two 160-HP. side crank, self oiling engines for direct connection to 100-KW. alternators, erected on foundation; (E) pipe work, heater, pumps, for connecting engines, boilers, etc.; (F) electrical apparatus, including two 100-KW. single phase alternators, 2,300 volts, 60 cycle, switchboard and station wiring, 35 arc lamps, and regulators, also converters; (G) two triplex power pumps, 15,000 gallons per hour each, with 25-HP. motors, delivered and erected in position, with pipe and wire connections; (H) distribution system, including poles, primary and secondary line, and erection of converters and arc lamps. Further particulars may be had by addressing the engineer or architect.

WELEETKA, IND. T.—We are advised that the engineering office of W. K. Palmer, 718 Dwight Bldg., Kansas City, Mo., has charge of the engineering work connected with the extensive water power development proposition of the Standard Power & Construction Co. on the north fork of the Canadian River, Ind. T. Complete surveys have been made by this office and estimates, report, etc. It is proposed to utilize the favorable power conditions of this stream and to transmit power electrically to points in the territory within a radius of 100 miles. A system of interurban railways is also projected in connection with the enterprise.

WYNNEWOOD, IND. T.—See under Waterworks.

SHARON, WIS.—The NATIONAL LIGHT, FUEL & GAS CO., of Janesville, Wis., will install the municipal gas plant at Sharon. Cost, $6,000.

VAN BUREN, ARK.—The Van Buren Electric Light & Power Co. has been chartered to construct and operate an electric light plant. The capital stock is $25,000. The officers are: John E. Powers, Pres.; Henry L. Fitzhugh, vice-Pres.; Sidney A. Pernot, Secy. and Treas.

SPOKANE, WASH.—It is reported that the Big Bend Water Power Co. has been incorporated by J. H. Tilsey, J. E. Peterson, Reuben Cress, R. M. Barnhart and A. J. Laughen for purpose of developing 15,000 HP. 28 miles down the river at point below Lepray bridge. E. Tappan Tannant, Engr., will prepare plans.

SOUTH BEND, WASH.—The Chinook Light, Power & Water Co. has been incorporated by James T. Pollock and J. T. Kelly, of Portland, Ore.; and Albion L. Tile, of Chinook. Capital stock is $10,000.

COLTON, CAL.—City Trustees have received a report from A. D. Spring, Cy. Electrician, relative to installation of a lighting and power system.

LOS ANGELES, CAL.—The Arrow Head Reservoir & Power Co., of Los Angeles, has been incorporated in Delaware to furnish electric power plants and similar works. The incorporators are John D. Work, F. E. Trask, F. C. Finkle, of Los Angeles; Victor C. Smith, San Bernardino. The capital stock is $6,000,000.

Bids will be received on Nov. 1 for city lighting contract.

SAN JOSE, CAL.—Bids are asked by A. L. Hubbard, Chn. Bd. Supervisors of Santa Clara County, until 11 a. m., Nov. 7, for the erection of a central heating plant.

LEWISTON, IDAHO.—The Clearwater Irrigation, Power & Boom Co. has been incorporated in Oregon. The company has acquired the Porter sloughs and mill site, east of Lewiston. The officers of the company are: H. L. Pittock, of Portland, Ore., Pres.; F. W. Leadbetter, of Portland, vice-Pres. and Treas.; H. M. Cake, of Portland, Secy.; and L. A. Porter, of Lewiston, Idaho, Mgr.

LAS VEGAS, N. MEX.—The Las Vegas Railway & Power Co. has been incorporated by Wm. A. Buddecke, Henry C. Dammer, Margarito Romero, of Las Vegas; and August Barthels and Geo. E. Wells, of St. Louis, Mo., to construct and maintain a single or double track street railway and to erect and operate power plants, etc.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—Bids are asked by Jas. Donovan, Supt. Sts., until 12 m., Oct. 25, for widening opening for passage of vessels at Dover St. bridge. Wm. Jackson, Cy. Engr.

HAVERHILL, MASS.—It has been definitely decided that the footwalk on the Boston & Maine railroad bridge will be reconstructed. Cost, $5,500. Robt. R. Evans, Cy. Engr. prepared the plans.

NEW YORK, N. Y.—The New York, Westchester & Boston Ry. Co., 30 Broad St., has completed plans for bridges to be built in the Borough of Bronx over White Plains Road, Allerton Ave., Wilson Ave., Saw Mill Lane, Wickham Ave. and 22d St.

ELKTON, MD.—The County Commissioners have authorized the building of new bridge over Miller's Run.

ELIZABETH, W. VA.—The West Fork Bridge Co. has been chartered to build, construct and maintain toll bridges across Little Kanawha river and its tributaries. Capital, $10,000. Incorporators, C. C. Bee, of West Fork; A. E. Kenney, of Grantsville; T. A. Brown, S. W. Cain and Geo. M. Thompson, of Elizabeth.

MILTON, N. C.—J. P. Acree and W. D. Lewis, of Danville, and R. L. Walker, of Milton, have organized a company to construct a bridge across Dan River at Milton. Preliminary surveys have been made.

COVINGTON, LA.—The Police Jury has decided to construct two iron bridges in the neighborhood of Covington—one over Abita River and the other over the Tchefuncta. The next steel bridge to be built will be over Vincent Bayou at Slidell.

MAYLAND, TENN.—The Ohio River & Gulf R. R., recently organized with W. Cooper, Pres., will, it is stated, arrange for the construction of a bridge.

DAYTON, O.—WILLIAMS BROS. & MORSE CO., of Cleveland, has received the contract from the Big Four R. R. for the erection of three bridges of concrete and reinforced steel. They will be erected at Dayton, Middletown and Miamisburg, at a total cost of $100,000.

SOMERVILLE, O.—W. H. Connarroe, Vil. Clk., will receive bids until Oct. 24 for walk bridge on Walnut St.

CLEVELAND, O.—Wm. J. Carter, Cy. Engr., writes us that a bridge connecting the East and West Sides will be voted on at the coming election.

BARBERTON, O.—Bids are asked by County Commissioners, at Akron, until Nov. 4 for construction of abutments for bridge over Ohio and Erie canal, on Robinson Ave., in Barberton. M. D. Buckman, County Audr.; J. A. Gehres, County Surv.

COLUMBUS, O.—Sealed proposals will be received by County Commissioners until Nov. 9 for steel beams, etc., for roadway construction of Green Lawn Ave. bridge; for paving roadway of same; for refllooring Doddridge St. bridge over Olentangy River, Clinton Township. L. E. Jones, County Audr.

AUBURN, IND.—Bids are asked by County Commissioners, Herman D. Boozer, Audr., until noon Nov. 8 for erection of eleven steel arches and repairing of one steel bridge.

SOUTH BEND, IND.—Bids are asked by County Commissioners until Nov. 8 for constructing concrete substructure and removing Jefferson St. bridge to Springbrook Park, over St. Joseph River. Cost about $26,000. John W. Harbon, County Audr.; Alonzo J. Hammond, Engr.

INDIANAPOLIS, IND.—Bids are asked by County Commissioners until Oct. 28 for construction of bridge over Eagle Creek in Pike Township. C. J. Clark, County Audr.

BLOOMFIELD, IND.—County Commissioners are asking for sealed bids for one iron bridge with stone abutments and for three concrete bridges.

GREENFIELD, IND.—Commissioners of Hancock County are advertising for bids for the construction of one steel bridge 70 ft. long over Sugar Creek in Brown Township; also one steel bridge 75 ft. long over Brandywine River in Center Township; also one steel bridge 100 ft. long over Sugar Creek. W. I. Garriott, County Audr.

NEW CASTLE, IND.—The Indiana Union Traction Co. has awarded contract to PAN-AMERICAN BRIDGE CO., of New Castle, to construct a viaduct near here. The structure will be 800 ft. long and will require 320 tons of steel.

MINNEAPOLIS, MINN.—We are informed that Andrew Rinker, Cy. Engr., has been directed to proceed with the widening of the Washington Ave. bridge over the Mississippi River. The city will put in the additional foundations, and plans for the superstructure are being prepared by Mr. Rinker.

JAMESTOWN, N. DAK.—Bids are asked by Andrew Blewett, County Audr., until 2 p. m., Nov. 6, for construction of a combination bridge, 16 ft. wide and 90 ft. long.

JEFFERSON CITY, MO.—This city contemplates constructing a concrete arch culvert, about 1,750 cu. yds. E. F. C. Harding is Cy. Engr.

JEFFERSON CITY, MO.—County Commissioners will let contract soon for a steel highway bridge, about four miles from the city.

PALMYRA, MO.—Bids are asked by H. F. Kizer, Rd. and Bridge Comr., until Nov. 7, for constructing an iron bridge in South River Township.

ST. LOUIS, MO.—F. T. Hatch, of St. Louis, informs us that the Vandalia R. R. Co. will probably let contracts this coming spring for the construction of substructure and superstructure for bridge over White River.

VAN BUREN, ARK.—County Commissioners have authorized the building of three additional steel bridges at a total cost of $11,000. J. W. Fory is County Judge.

PINE BLUFF, ARK.—Citizens of Pine Bluff and this (Jefferson) county are completing arrangements for the construction of a $250,000 bridge across the Arkansas River here. Edwin J. Kerwin, County Judge, has the matter in hand.

LITTLE ROCK, ARK.—It is stated that an ordinance is before the City Council providing for the construction of a viaduct at Argenta over Little Rock and Fort Smith and the St. Louis, Iron Mountain & Southern tracks on Main St. Cost, about $75,000.

GONZALES, TEX.—A steel bridge will be erected by County Commissioners across Kerrs Creek.

STILLWATER, OKLA.—Bids were opened Oct. 11 by County Commissioners, I. H. Donart, Clk., for constructing six steel bridges, and the contract awarded to the JOLIET (ILL.) BRIDGE & IRON CO., for $2,942.

GUTHRIE, OKLA.—County Commissioners have rejected all bids for constructing county bridges as being too high.

NORTH YAKIMA, WASH.—A contract to build bridge across the Yakima River at Selah Gap was awarded to the NATIONAL CONTRACT CO., of Seattle by the Commissioners of Yakima County. Cost, $7,500. Work will begin about Nov. 1.

VALE, ORE.—Bids are asked by County Commissioners until 2 p. m., Nov. 8, for construction of a steel wagon bridge over middle fork of Malheur River at Riverside.

OAKLAND, CAL.—Sealed proposals will be received, John P. Cook, County Clk., until 10 a. m., Oct. 23, for construction of a concrete bridge across Dry Creek, near Decoto.

SAN JOSE, CAL.—JOHN W. WILLIAMS was awarded contract for constructing a bridge over Coyote River, for $4,128.

PETERBORO, ONT.—City Council is having plans made for an overhead steel bridge across Otonabee River at Hunter St.

TORONTO, ONT.—Reports state that steel bridges will be built over tracks of the Grand Trunk at Bathurst St. and the Canadian Pacific in Island Park, at a cost of about $75,000.

OTTAWA, ONT.—It is stated that the County Council has decided to build a steel bridge over the Rideau River.

HURDMAN'S BRIDGE, ONT.—The STEEL & CONCRETE BRIDGE CO., of Montreal, Que., has received the contract for constructing a bridge here, for about $20,000.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

MALDEN, MASS.—JOHN J. PRINDIVILLE, of South Framingham, Mass., has been awarded the contract for constructing new school-house at Malden. Cost, $43,000. Edw. I. Wilson, 101 Tremont St., Boston, Arch.

NEW YORK, N. Y.—J. H. McQuire, Arch., 45 East 42d St., wants figures on electric wiring and switchboards for private school in course of erection at 93d St. and Park Ave., for Ursuline Seminary. 1180 Park Ave. Brick and stone, 4 stories, 25 × 50 ft. MURPHY BROS., 489 Fifth Ave., are the general contractors.

Transit Realty Co., 198 Broadway, care Isaac Blumenthal, want figures on separate contracts for the erection of a $200,000 apartment house at 137th St. and Broadway, from plans by Moore & Landsiedel, 148th St. and Third Ave. Brick, stone and terra cotta, semi-fireproof, 6 stories, 100 × 112 × 115 ft.

Gotham Realty & Construction Co., 81st St. and Columbus Ave., care Henry Feit, want figures on electric wiring, switchboards, engines, generators and boilers for the $650,000 apartment house in course of erection at 86th St. and Central Park West, from plans by Mulliken & Moeller, 7 West 38th St. Brick, stone and terra-cotta, fireproof, 12 stories, 91 × 102 × 140 ft. Owner will build.

H. C. Pitman, 156 Fifth Ave., Arch., has plans completed for a $50,000 alterations to a hotel at Broadway and 46th St., for J. Churchill, 1540 Broadway. Brick and stone, 4 stories, 23 × 100 ft.

Frank Dobson, 218 East 42d St., was the lowest bidder, at $13,568, for installing heating and ventilating apparatus for additions to and alterations in public school No. 10. Bids were opened on Oct. 16 by Board of Education.

Hoppin, Koen & Huntington, Archs., 244 Fifth Ave., are taking figuers on residence to be erected at 10 East 62d St., for E. L. Bayles, 54 Wall St. Brick and stone, 5 stories, 25 × 100 ft.

J. Axelrod, 93d St. and Riverside Drive, wants bids on mason work, carpenter work, roofing, plumbing, heating, electric wiring and plastering for new apartment house to be erected at 92d St. and Riverside Drive,

from plans by G. F. Pelham, 503 Fifth Ave. Brick and stone, 9 stories, fireproof, 61 × 110 × 127 ft.

Frank Sutton, 91 Wall St., is heating engineer for new Carnegie library to be erected at Fort Hamilton, from plans by Lord & Hewlett, 12 East 23d St. Brick and stone, 100 × 108 × 124 ft. Figures will soon be taken on general contract.

J. A. Farley, 571 Fifth Ave., is taking figures on electric wiring and switchboards for an apartment house he is erecting at 55th St. and Madison Ave., from plans by Thain & Thain, 4 East 42d St. Brick and stone, fireproof, 10 stories, 50 × 75 ft.

A. R. Wolff, 130 Fulton St., has been appointed steam engineer for new club house to be erected at 18-22 West 40th St., for New York Club, of which G. P. Sheldon is president. H. J. Hardenburg, 1 West 34th St., is Arch. Brick and stone, 8 stories, 54 × 100 ft. Cost, $500,000.

PITTSBURG BUILDING CO., 787 Fifth Ave., has been awarded general contract for erecting model tenements donated by H. Phipps, 26 Broadway, to be erected at 321-37 East 31st St. Grosvenor Atterbury, Arch., 20 West 43d St. Brick and stone, 6 stories, fireproof, 200 × 250 ft. Cost, $200,000.

Samuel Sass, Arch., 23 Park Row, has completed plans for loft building to be erected at 45 West 34th St. for S. Green, 35 Nassau St. Brick and stone, 6 stories, 50 × 200 ft.

L. F. J. Weiher, Arch., 103 East 125th St., has completed plans for an office building to be erected at 116th St. and Lenox Ave., for Max Rosenblum, 1 East 117th St. Brick and stone, fireproof, 4 stories, 60 × 105 ft.

NEW YORK, N. Y.—The following bids were received by Jas. H. Tully, Comr. Pub. Charities, Oct. 17 for the erection and entire completion of new municipal lodging house on 25th St., near First Ave.; (a) to complete building in 120 days; (b) 240 days: John R. Sheehan, 160 Fifth Ave., (b) $318,-000; P. Gallagher, 1189 Broadway, (b) $290,-641; Thos. Cockerill, 147 Columbus Ave., (b) $375,000; Buckley Realty Const. Co., Times Bldg., (a) $345,000, (b) $331,000; Jno. H. Parker Co., 225 Fourth Ave., (a) $349,000, (b) $311,000; D. J. Ryan, 723 Third Ave., Brooklyn, (a) $281,000, (b) $275,000; Church Const. Co., 1 Madison Ave., (a) $315,000, (b) $273,900.

NEW YORK, N. Y.—R. J. F. Gerstle, 347 East 44th St., is the low bidder for fire lines and sprinklers for new building for Natural History, to be erected at 77th St. and Central Park West. C. Volz, Arch., 160 Fifth Ave., has plans in progress for building, five stories, 70 × 177 ft.

Empire Realty Co., 1947 Broadway, want bids on sub-contracts for the $175,000 theatre to be erected at 65th St. and Broadway, from plans J. B. McElfatrick, 1402 Broadway. Brick and stone, four stories, 88 × 126 ft.

O. Codman, Arch., 571 Fifth Ave., wants figures on electric wiring for the $150,000 residence in course of erection at 17 East 51st St. for F. K. Sturgis, 30 Broad St. Brick and stone, five stories, 40 × 82 ft. J. F. DE BAUM, 1368 Broadway, is general contractor.

NEW YORK, N. Y.—The following bids were received by the Board of Education for general construction, etc., of additions to and alterations in public school No. 158: A. Nugent & Sons, 508 East 117th St., $67,500; J. & E. Morel & Co., $68,245; Francis Sullivan, 103 East 125th St., $66,000; Thos. Cockerill Son, 147 Columbus Ave., $64,700; Thos. McKeon, 2848 Broadway, $65,772; Wm. Werner, 892½ Forest Ave., $67,550; P. Sullivan, 18 Lafayette Place, $67,690.

NEW YORK, N. Y.—Bids were received by Board of Education Oct. 16 for general construction, etc., of new public school No. 4, as follows: P. J. Walsh, 503 Fifth Ave., $139,900; P. Sullivan, $147,400; Thos. Cockerill Son, $142,500; C. H. Peckworth, 415 Hudson St., $143,443; R. E. Heningham, 5 Court Square, Brooklyn, $146,203; Ed. D. Broderick, 115 East 90th St., $153,000; A. Nugent & Sons, $143,009; P. J. Brennan, 1931 Broadway, $146,500; Geo. Hildebrand, 38 Park Row, $153,400.

WILLETS POINT, N. Y.—Bids are asked by Capt. Geo. H. McManus, C. Q. M., until 1 p. m., Oct. 24, for plumbing of one double set officers' quarters at Fort Totten.

BINGHAMTON, N. Y.—W. H. Whitlock, 37 Chenango St., Binghamton, and Linn Kinne, Grange Bldg., Herkimer, N. Y., Assoc. Archs., are preparing plans for a five-story Y. M. C. A. building, to be erected at Binghamton. Cost, $100,000.

WEST POINT, N. Y.—Bids are asked by Quartermaster until Nov 29 for construction of one post headquarters building. Plans and specifications are on file at office of Engineering News, 220 Broadway, New York City. (Advertised, Engineering News.)

ENGLEWOOD, N. J.—Davis, McGrath & Shepard, Archs., 1 Madison Ave., New York City, have plans in progress for residence to be erected at Englewood.

CONVENT STATION, N. J.—Eugene McMurray, Arch., 22 Clinton St., Newark, is taking figures on new $75,000 dormitory to be erected at Convent Station, near Morristown, for St. Elizabeth College. Brick and stone, 3½ stories, 50 × 100 ft.

NEWARK, N. J.—Albert Phillips, Arch., 70 Park Place, Newark, is taking figures on revised plans for residence to be erected at 165 Washington Ave., for G. A. Ohl, 100 Peabody Place, Newark.

PUNXSUTAWNEY, PA. — Robinson & Winkler, Archs., House Bldg., Pittsburg, have let contract to the HILL CONSTRUCTION CO., House Bldg., Pittsburg, for school house at Punxsutawney. Cost, $60,-000.

PITTSBURG, PA.—Chas. Bickel, Arch., 524 Penn Ave., has plans for warehouse for Isaac Kaufmann, Fifth Ave. and Smithfield St. Cost, $100,000.

C. M. Bartberger, Arch., Westinghouse Bldg., is taking bids on warehouse for Demmler Bros., Smithfield St. Cost, $75,000.

S. W. McClosky, Arch., let contract to W. B. BENNETT, North Negley Ave., for warehouse of H. J. Lang, Liberty Ave. Cost, $75,000.

F. C. Sauer, Arch., 804 Penn Ave., let contract to SAMUEL H. McCAIN, 1300 Veto St., Allegheny St., for warehouse of Walther Robertson Drug Co., Seventh Ave., Pittsburg. Cost, $90,000.

McKEESPORT, PA.—The Ancient Order of Hibernians contemplates building a club house to cost $50,000. No plans have yet been accepted. John J. Gibbons is Pres.

PHILADELPHIA, PA.—McIlvaine & Roberts, Archs., Land Title Bldg., are preparing plans for an eight-story flat house at Juniper and Spruce Sts.

BALTIMORE, MD.—The Building Committee, John M. Carter, Chn., 220 St. Paul St., of the Medical Institute, has awarded contract to HENRY SMITH & SONS CO., 116 South Regester St., for the construction of Institute at Royal Ave. and Lanvale St. Cost, about $300,000. Pell & Corbett, Archs., 31 Union Sq., New York City.

The Exchange Arcade Building Co., will erect office building at 208-16 Water St. Cost, about $800,000. Frederick A. Wright and Edgar Blair, Assoc. Archs., Vickers Bldg. A. L. Gorter, 213 Courtlandt St., is interested.

RICHMOND, VA.—JOHN T. WILSON, 1 Madison Ave., New York City, has been awarded general contract for rebuilding Jefferson Hotel at Richmond, owned by the Jefferson Realty Co., of Richmond. John K. Peebles, of Richmond is Arch. Clinton & Russell, 32 Nassau St., New York City, will act as consulting architects. Brick, stone and terra cotta, 7 stories, 141 × 172 ft.; auditorium, 2 stories, 70 × 100 ft., with a seating capacity of 1,400. General contractor wants bids on all sub-contracts.

FORT MONROE, VA.—Bids are asked by Capt. R. H. C. Kelton, Q. M., until Oct. 30 for installing hot water heating system in quarters No. 1, Fort Monroe.

FAIRMONT, W. VA.—The School Board is considering the erection of a high school building to cost $70,000, and two public school buildings to cost $100,000. Address the Secretary.

VALDOSTA, GA.—W. L. Converse will erect a block of brick business houses and warehouses at a cost of $50,000.

GAINESVILLE, FLA.—The state of Florida has decided to erect a state university building here at a cost of $1,500,000. The Florida Educational Board, of which N. P. Bryan, of Jacksonville, is Chn., has selected Edwards & Walter, of Columbia, S. C., as Supv. Archs.

DOTHAN, ALA.—Dr. R. D. Blackshear will erect a four-story building and will want plans and specifications for same.

BIRMINGHAM, ALA.—GEO. H. JOHNSTON, of St. Louis, Mo., has the contract for the erection of new theatre here for the Interstate Amusement Co.

HUNTSVILLE, ALA.—The contract for the erection of new building of the Elks has been awarded to GARRITY & HAHN, of Chattanooga, Tenn. Cost, about $100,000.

JACKSON, MISS.—Fire destroyed the Norvelle Hotel. Loss, $150,000.

LEXINGTON, KY.—F. H. Hutchinson, of Ashland, and others will erect $150,000 hotel here.

TOLEDO, O.—Geo. S. Mills, Arch., 505 Gardner Bldg., is preparing preliminary plans for ten-story hotel, 100 × 100 ft., for the Commonwealth Building Co. Cost, $400,000.

INDIANAPOLIS, IND.—August Kiefer has purchased a site at Georgia St. and Capitol Ave., on which to erect a four-story business house, to cost $75,000.

EVANSVILLE, IND.—J. K. Wells and W. G. Neal have closed a deal for site on which to erect a theatre.

CHICAGO, ILL.—W. A. Otis, Arch., 175 Dearborn St., is preparing plans for garage and warehouse building to be erected on Cottage Grove Ave. for Jas. F. Porter. Brick, mill construction, 4 stories, 115 × 120 ft. Cost, $70,000.

Jas. G. Rogers, Arch., 59 Clark St., is preparing plans for five triple residences to be erected at Lake Forest, Ill., for J. Griffith. Cost, $50,000.

HAYWARD, WIS.—All bids received by Commissioner of Indian Affairs, Washington, D. C., for the construction of an addition to warehouse at Hayward, have been rejected.

BURLINGTON, IA.—Bids are asked by Jas. Knox Taylor, Supv. Arch., Washington, D. C., until 3 p. m., Nov. 15, for the installation of plumbing system in U. S. postoffice at Burlington.

FORT DES MOINES, IA.—Bids are asked by Capt. L. Hardeman, Q. M., until 11 a. m., Nov. 6 for furnishing and installing electric light fixtures, wattmeters, and transformers, and wiring for electric lighting, in public buildings at Fort Des Moines.

MINNEAPOLIS, MINN.—J. F. McMILLAN was awarded contract for main building at the State University. Cost, $450,000.

MINNEAPOLIS, MINN.—The Board of Trustees of the Minneapolis Soldiers' Home awarded contract for the erection of new building to J. E. PILGRIM, of Minneapolis, for $67,835.

ST. PAUL, MINN.—The State Board of Control awarded contract for foundation for new main building at state farm school to TRAINOR BROS., of Minneapolis. Building will cost $150,000.

MANHATTAN, KAN.—County Commissioners have let contract for erecting court-house to J. B. BETTS, of Topeka, for $42,189. Geo. A. Berlinghof, of Beatrice, Neb., is Arch.

OMAHA, NEB.—Fisher & Laurie, Archs., Paxton Block, will receive bids about Nov. 1, for construction of Y. M. C. A. building at 17th and Harney Sts. Brick and stone, 5 stories, 132 × 155 ft.

FARGO, N. DAK.—Bids were opened Oct. 12 at the office of Jas. Knox Taylor, Supv. Arch., Washington, D. C., for construction of post office at Fargo, as follows: Oley H. Olsen, Stillwater, Minn., $71,592; J. W. Miller, St. Paul, Minn., $64,768; Lauritzen Bros., Fergus Falls, Minn., $64,642; North-Western Const. Co., Wahpeton, N. Dak., $66,997; Morse Contracting Co., Topeka, Kan., $72,-900; Edwin M. Cramer & Son, Muncie, Ind., $74,000; H. N. Leighten, Minneapolis, Minn., $69,985.

CARTHAGE, MO.—A new jail will probably be erected at a cost of $25,000. Address the County Clerk.

FORT WORTH, TEX.—Roloff & Wright, Archs., are preparing plans for a three-story medical college, 75 × 90 ft., to be erected in this city. Cost, $50,000.

DALLAS, TEX.—An election is to be held here to decide the question of issuing $150,-000 for ward schools and $27,500 for city prison. E. L. Dalton is Cy. Engr.

BRADY, TEX.—Bids will be received by Board of Trustees until Oct. 31 for the erection and completion of a two-story stone school building. S. P. Herbert, Arch., Waco, Tex. J. B. Lockhart, Secy. School Board.

LAREDO, TEX.—The town will issue $50,-000 of bonds for the purpose of erecting two new public school buildings.

DALLAS, TEX.—A new $100,000 Masonic Temple will be erected here by the Dallas Scottish Rite Masons. Contract will be awarded soon.

GUTHRIE, OKLA.—Bids are asked by Jas. Knox Taylor, Supv. Arch., Washington, D. C., until 3 p. m., Nov. 7 for low pressure steam heating apparatus, complete in place, for U. S. post office and court-house at Guthrie.

HAMILTON, ONT.—The CANADIAN WHITE CO., LTD., has been awarded contract for erecting at Hamilton, the new main office building for the Federal Light Assurance Co. Finley & Spence, of Montreal, are Archs. The building will be an eight-story modern steel construction, fireproof office building, and will represent the latest type of building of this class. The Canadian White Co. has the entire contract, and will have the building ready for occupancy not later than Aug. 1, 1906. The White Co. has also been awarded contract for construction of street car sheds for Montreal Street Ry. Co. Marchand & Haskell, Archs.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

FORT KENT, ME.—Fort Kent Water Co., capitalized at $25,000, has been chartered, and proposes to supply this place with water. John J. Moore, Hingham, Mass., is Pres.

YARMOUTH, ME.—Contract for excavation and laying water mains for this town (bids opened Oct. 7) has been let to FALES & SIMMONS, Rockland, Me.

NORTH BENNINGTON, VT.—Committees have been appointed to consider supplying village with pure water and electric lights.

ST. JOHNSBURY, VT.—At special village meeting resolution for establishing filter system at a cost not to exceed $20,000 was defeated.

LANCASTER, MASS.—Town votes to appropriate not more than $4,500 for extending water mains. Wm. A. Kilbourn is Water Comr.

FITCHBURG, MASS.—Water Commissioners are considering increase of water supply at a cost of $50,000. Thos. C. Lovell is Supt. W.-W.

PITTSFIELD, MASS.—Councils have passed order appropriating $2,500 for preliminary surveys for an increased water supply. Allen H. Bagg is Mayor.

SALEM, MASS.—Freeman C. Coffin, Consult. Engr., 53 State St., Boston, Mass., is to make an investigation into possibilities of an enlarged water supply for Salem and Beverly.

DANBURY, CONN.—Contract for furnishing material and constructing reservoir dam, fore bay and pipe line for this city has been awarded to PETER SWEENEY, Danbury, Conn., for $105,531. Bids were opened Sept. 25 and were given under Contract Prices in our issue of Oct. 5.

NEW YORK, N. Y.—Following bids were received Oct. 11 by Commissioner Water Supply, Gas and Electricity for furnishing stop cocks: McMann & Taylor, 104 John St., $12,937; W. S. Tappen, $12,975; Van. Rennessalaer Mfg. Co., $12,000; Jno. Fox & Co., 253 Broadway, $18,325; Kennedy Valve Mfg. Co., $12,814. Bids were opened at same time for furnishing, delivering and laying 30-in. water main and appurtenances in Avenue S and East 16th St., Brooklyn, the bids received being as follows: Donlon Cont. Co., 82 South 3d St., $16,815; Jas. P. Graham, Bath Beach, $15,597; The Abbott Gamble Co., 32 Broadway, N. Y., $17,838; Frank J. Gallagher, 574 Park Ave., $15,517; Thos. O. C. Sloane, $16,811; J. Z. Carey, 44 Court St., $17,860; I. Harris & Co., Brooklyn, N. Y., $15,860. The bids received for furnishing, delivering and laying water mains in Fulton and other streets, Boroughs of Manhattan and the Bronx, will be found under Contract Prices.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, until 2 p. m., Nov. 8, for furnishing, delivering, erecting and connecting four water tube boilers at the new Ridgewood pumping station.

BUFFALO, N. Y.—Report of Gen. George S. Field, Col. Thos. W. Symons and Rudolph Hering, expert commission on water supply for this city, has been made public. According to the report the cost of the improvements recommended amounts to $2,800,000, divided up as follows: Intake tunnel, etc., $900,000; new station and equipment, $900,-000; valve and steam changes, $50,000; new mains, $800,000; high service reservoir, $50,-000; contingencies, etc., $100,000. F. G. Ward is Comr. Pub. Wks.

SCHROON LAKE, N. Y.—Schroon Lake Water Supply Co., capitalized at $15,000, has been incorporated. Myron C. Pelkin, Chas. H. Wilson and John R. Stanton, all of Schroon Lake, are interested.

ITHACA, N. Y.—Water Commissioners are to petition the Council for permission to issue $75,000 of bonds for work now under way and projected.

AUBURN, N. Y.—Clerk Water Commissioners is reported to be ing for bids for extending the intake pip

WATERVLIET, N. Y. city may award a contract this fa tion of its $300,000 wat the construc-Vermeule, 203 Broadway, stem. C. C. York, is Consult. Engr

LYONS FALLS, N. Y. following bids were received Oct. 12 b Trustees, Frank Hoskins, Pres., for works, consisting of a ting water-4¾ miles cast-iron mains and about appurtenances; Knight & hydrants and Rome, N. Y.; G. H. Ellis, Engrs., N. Y., $30,060; Henry Lassing, Ossining, N. Y., $23,363; A. F. Lyons Falls, N. Y., $29,950; Abbot Philadelphia, York, $32,100; John Marsden & Co., New $24,850. Utica, N. Y.

NEW YORK, N. Y.—Bids asked by John T. Oakley, Comr. W Supply, Gas and Electricity, until 2 p. tober 25, for tapping 20-in. and 30-in. mains in service, and hauling and setting 6-in. hydrant service mains, fire hydrants and appurtenances on various streets in the Borough of Brooklyn.

NEW YORK, N. Y.—Plans and estimates for including the Esopus w ed in the extension of New York's w supply sources have been laid before the Board of Estimate by the new Board of Water Supply, J. Waldo Smith, Ch. Engr., and will be taken up by the first named board by Nov. 1. According to the estimates it will cost $[illegible]12,000 to develop a water supply of [illegible],000,000 gallons daily, including the cost of storage reservoirs and aqueducts. This equipment could be enlarged so as to develop a supply of 500,000,000 gallons daily. The total cost of the enlarged system, including a filtration plant, would be $161,857,000.

AVON BY THE SEA, N. J.—Bids are asked by Mayor and Council until [illegible] m., Oct. 23, for construction of about 18,000 ft. of cast iron water pipe. R. C. Love, Boro. Engr.; John Thomson, Mayor.

FORT HANCOCK, N. J.—We are informed that contract for sinking tubular deep well at this post was, on Oct. 11, awarded to P. H. & J. CONLAN, Newark, N. J., at $4 per lin. ft. Cook strainer in place, $6 per lin. ft. Capt. A. S. Bickham, Q. M., is official in charge.

HOPEWELL, N. J.—T. Chalkley Hatton, Consult. Engr., Wilmington, Del., has made plans for extension of water-works of this place. At a recent election the borough voted to purchase local water-works and to spend about $7,500 in improvements. H. E. Suphen is Borough Clk.

ANNAPOLIS, MD.—Following bids were received Oct. 11 by Navy Department, Washington, for the construction of a reservoir at the Naval Academy: Noel Construction Co., Baltimore, $21,000; Baltimore Ferro-Concrete Co., Baltimore, $25,901; Latta & Terry Construction Co., Camden, N. J., $33,000.

FORT MYER, VA.—Contract for steel tank and trestle for this post has been let to GEO. C. THOMAS, New York, for $5,613; contract for 12-in. intake was let to R. W. DARBY, Washington, D. C., for $12,700.

NORFOLK, VA.—Water Board recommends purchase of part of Little Creek for increased water supply.

COLQUITT, GA.—City will issue $10,000 of bonds for constructing water-works.

APALACHICOLA, FLA.—City has voted to issue $40,000 of bonds for water-works.

PALATKA, FLA.—Board Bond Trustees have taken preliminary steps for establishment of municipal water-works.

WESSON, MISS.—City has voted to issue bonds for establishing water-works.

OAK HARBOR, O.—We are informed that this place will vote Nov. 9 on proposition to issue bonds for water-works. Nothing will be done until after that date. It is possible that the proposition may be defeated. G. C. Mauer is Mayor.

CINCINNATI, O.—Bids are asked by Board Trustees, Commissioners Water-Works, Robert V. Foster, Clk., until noon, Nov. 10, for manufacture, furnishing and delivering of steel pipe for the filtration plant and settling reservoirs. Bids are also asked until noon, Nov. 10, for laying 6,100 lin. ft. of 48-in. cast-iron pipe, special castings and valves in Eastern Ave. and other streets.

LORAIN, O.—Following bids are stated to have been received Oct. 9 by Board Public Service, Custer Snyder, Clk., for a filter plant: New York Continental Jewell Filtration Co., New York, $54,000; Federal Filtration Co., New York, $53,974; Norwood Engineering Co., Florence, Mass., $51,300; Wm. B. Scaife & Sons, Pittsburg, Pa., $39,737; Thos. Lightbody, $65,000; PITTSBURG FILTER MFG. CO., Pittsburg, Pa., $39,335 (awarded contract).

TOLEDO, O.—Bids were opened Oct. 10 by Board of Public Service, Filtration Department, Frank I. Consaul, Ch. Engr., Edward D. Bolton, Department Engr., for the construction of water purification works. Contract No. 4, the bids received being as follows: J. G. White & Co., New York, $557,625, 730 days; B. F. Perkins & Sons, Holyoke, Mass., $530,486, 600 days; Thomas Lightbody, Youngstown, O., $425,334, 550 days; NORWOOD ENGINEERING CO., Florence, Mass., $483,327, 700 days; J. C. Carland & Co., Peoples Construction Co., Davenport, Ia., $554,284; Pittsburg Mfg. Co., Pittsburg, Pa., $524,688, 600 days; A. Bentley & Sons, Toledo, O., $372,726, 500 days; H. F. Burgard, Buffalo, N. Y. (partial bid), $367,565, 500 days. H. W. Christian, Toledo, O., bid $18,490 for the electric wiring, and Shaw, Kendall Engineering Co., Toledo, O., bid $7,135 for the steam heating. The contract was awarded to the Norwood Engineering Co.

HUNTINGTON, IND.—We are informed that the city will receive bids until 7 p. m., Oct. 24, for a receiving well 100 ft. in diameter and 15 ft. deep, built of concrete. H. H. Wagoner is Cy. Engr.

CRAWFORDSVILLE, IND.—Crawfordsville Water & Light Co., S. C. Rowland, Supt., is reported to have accepted amended water-works franchise. New franchise calls for installation of 5,000,000 gallon pump and other improvements.

LANESVILLE, IND.—Julius Prelle, Town Clk., writes us that contract for construct-ing plant of Lanesville Water Works Co. (bids opened Sept. 25) was awarded to FRANK SCHEFOLD, New Albany, Ind. The town aids in the construction by taking $1,000 of stock. The est. cost of the plant will be $5,850, and it will include about 8,190 ft. 3-in., 2,140 ft. 4-in., 1,100 ft. 6-in., 700 ft. 8-in. pipe.

ONTONAGON, MICH.—Contract for in-stalling water-works, including reservoir, for this place is stated to have been let to BYERS & CO., Houghton, Mich., for $6,500.

ESCANABA, MICH.—We are advised that while the Escanaba Water Co. has the matter of erecting a filtration system under con-sideration, no steps have been taken as yet toward erecting it. Wm. J. Hatton, Supt. W.-W., is official in charge.

SAGINAW, MICH.—Water Commissioners have asked Council to appropriate $5,000 for carrying on investigations looking to secur-ing a supply of pure water.

WYANDOTTE, MICH.—Board Public Works contemplates laying new water mains at a cost of $25,000, it is said.

KEWANEE, ILL.—Bids are asked by S. J. Sharp, Chn. Water Com., until 8 p. m., Oct. 24, for furnishing and erecting a horizontal cross-compound, Corliss, crank and fly-wheel air compressor of not less than 1,500,000 gal-lons capacity, a 2,000,000-gallon, horizontal, cross-compound, crank and fly-wheel pump-ing engine (alternate bids will be received on a vertical pumping engine), a brick engine house, and a concrete reservoir. Chas. F. Sturtevant, Cy. Engr. (Advertised, Engi-neering News.)

LIBERTYVILLE, ILL.—Following bids are stated to have been opened Oct. 5 by Board Local Improvements, Paul McGuffin, Pres., for laying 3,050 ft. 8-in., 28,650 ft. 6-in. and 612 ft. 4-in. cast iron water pipe, together with hydrants, valves, etc.: F. G. Mortin & Son, Glencoe, Ill., $28,305; Chas. M. Porter, Chicago, Ill., $29,574; Chas. E. Russell, Waukegan, Ill., $31,570; E. M. Lains, High-land Park, Ill., $28,051; W. J. Allen, Wauke-gan, Ill., $29,714; Lee McDonough, Wauke-gan, Ill., $33,129; P. R. Fletcher, Blue Is-land, Ill., $28,409; McNICHOLS & COGAN, 84 La Salle St., Chicago, Ill., $27,923 (awarded contract).

QUINCY, ILL.—Council is reported to have adopted ordinance requesting Quincy Water Co. to place larger water mains through business section of city.

EAST MOLINE, ILL.—Bids are asked by this village, W. H. Ammerman, Pres., up to and including Nov. 11 for constructing sys-tem of water-works, comprising stand-pipe, pumps, engines, about 17,980 ft. of cast-iron water mains, about 30 hydrants, pumping station and reservoirs. Kimball Engineer-ing Co., Engrs., Davenport, Ia. (Advertised, Engineering News.)

WEST ALLIS, WIS.—Village Board is re-ported to be taking bids for the construction of a pumping station and equipment, includ-ing two electric engines. H. D. Hill is Vil-lage Clk.

DES MOINES, IA.—Contract for laying 6-in. and 8-in. water main around state house has been let to O. P. HERRICK, Des Moines, Ia., for $3,950.

COUNCIL BLUFFS, IA.—City Council has accepted proposition of water company to purchase its plant at a price to be agreed upon by three competent hydraulic engineers of national reputation, one to be named by the city, one by the company and the two to select the third.

FORT DODGE, IA.—Bids are asked by L. Fesler, Cy. Clk., until 7 p. m., Oct. 30, for sinking and casing a well, 1,000 ft. deep or deeper, 15-in. for first 200 ft. and not less than 8-in. at bottom.

ALBERT LEA, MINN.—Bids are asked by C. E. Brainerd, Cy. Clk., until 4.30 p. m., Oct. 24, for 500 ft. 6-in. water main on Bridge St. and 300 ft. on East William St.

EVELETH, MINN.—Bids are asked by L. Larson, Cy. Clk., until 8 p. m., Oct. 25, for 642 ft. cast iron water main, three gate valves and fittings.

EL DORADO, KAN.—We are informed that projected improvements of recently acquired municipal water-works will include building of 125,000 gallon water tank in 75 ft. tower. The dam will be rebuilt during winter, as will be the smoke stack at pumping plant. A. J. Holderman is Mayor.

BASSETT, NEB.—As was stated in our last week's issue bids are being asked by this village, W. T. Phillips, Village Clk., until 8 p. m., Oct. 30, for furnishing ma-terial and constructing water-works. (Ad-vertised, Engineering News.)

VALLEY CITY, N. DAK.—Bids are asked by W. T. Craswell, Cy. Audr., until 8 p. m., Nov. 6, for about 225 ft. 4-in. main in 5th Ave. and 2,220 ft. 4-in. main on 4th St.

BILLINGS, MONT.—Bids are asked by En-gineer, U. S. Reclamation Service, until 2 p. m., Dec. 15, for construction of main canal, laterals and ditches, involving ex-cavation of about 640,000 cu. yds. of earth, some rock excavation, and furnishing labor and material for various structures, requir-ing about 330,000 ft. B. M. of lumber, 140,-000 lbs. of steel and 1,400 cu. yds. of con-crete. (Advertised, Engineering News.)

BILLINGS, MONT.—Contract for putting in 27,000 ft. 10-in. and 12-in. water mains near here for the Burlington R. R. has been let to JAMES KENNEDY, Fargo, N. Dak.

LOUISIANA, MO.—Special election will be held Oct. 31 to vote on extending franchise of Louisiana Water Works Co. for 20 years.

ST. LOUIS, MO.—Heman Construction Co., 1083½ N. 8th St., St. Louis, at about $473,-000, was low bidder for constructing two new basins at the Chain of Rocks. Bids were opened Oct. 10 by the Board Public Improvements.

ST. LOUIS, MO.—Bids are asked by Col. F. Von Schrader, Depot Q. M., St. Louis, until 12 m., Nov. 7, for the following: One 30-HP. boiler for Fort Huachuca, Ariz.; one 40-HP. boiler for Fort Ringgold, Tex.; one 40-HP. boiler and one compound pump for Fort Wingate, N. Mex.; one compound pump for Fort Logan, Colo.

EAGLE LAKE, TEX.—Council has granted franchise for water-works to J. C. Semprez. System will cost about $25,000.

ARDMORE, IND. T.—Local electric com-pany has made proposition to the city to operate its pumping station. R. W. Dick is Mayor.

WYNNEWOOD, IND. T.—We are advised that this city has employed W. P. Bullock, of Girard, Kan., to make plans and specifica-tions for a combination water-works and electric light plant. One or two franchise companies are dickering with the council in regard to an electric light plant. The city, however, will ultimately build the sys-tems in combination, and having a large stand pipe will pump the water for the fol-lowing day's supply while the lighting plant is running. Owing to the high price of coal the engineer has expressed a partiality to gasoline engines of 50 HP. in duplicate, belt connected, two triplex double-acting pumps with a capacity of 300 gallons lifted 175 ft. per minute each. There will be one 50 KW. alternator so set as to run by the power from either engine or both. J. E. Root is Cy. Engr.

MONTROSE, COLO.—All bids opened Sept. 26 by the U. S. Reclamation Service for the completion of the Gunnison Tunnel are stated to have been rejected. The work will be completed under government supervision by day labor. The bids received Sept. 26 were given under Contract Prices in our issue of Oct. 5.

HILLYARD, WASH.—The Hillyard Water Co. is said to contemplate construction of large reservoir just east of town at the sum-mit of Little Baldy Mountain.

OLYMPIA, WASH.—City Council has passed resolution directing the city attorney to prepare ordinance necessary to condemn the water plant of the Olympia Water Co. to the end that the present supply may be improved and the city own its own water system.

SEATTLE, WASH.—Contract for laying machine banded wooden water pipe in North 76th St. has been let to INTERNATIONAL CONTRACT CO., for $9,541.

FORT STEVENS, ORE.—Bids are asked by F. G. Hodgson, C. Q. M., Vancouver Bar-racks, Wash., until 11 a. m., Nov. 7, for erection of a 150,000-gallon steel tank on a 75-ft. trestle at Fort Stevens.

LOS ANGELES, CAL.—W. A. Vernon, Los Angeles, is stated to have purchased the water-works at Ensenada. A number of im-provements are contemplated, it is said.

SAN LEANDRO, CAL.—Municipal water-works are under consideration.

BENSON, ARIZ.—Benson Water Co., re-cently incorporated, has been granted fran-chise to put down water mains. Jas. Gam-ble, Jr., C. S. Stevens and Edgar S. Titus, all of Benson, are interested.

TUCSON, ARIZ. — Citizens' Committee favors a $150,000 bond issue for improving water-works.

ELSINORE, UTAH.—Town may install water-works.

SALT LAKE CITY, UTAH.—Following ap-plications for water rights for irrigation pur-poses have been filed in State Engineer's Of-fice: Charles Milne, American Fork, Utah, two second feet from Lake Fork Creek, to be conveyed by 7,920 ft. long canal; F. M. Houston and John R. Kay, American Fork, Utah, six second feet from Strawberry River, to be conveyed by 14,000 ft. long canal; Wasatch Development Co., of Heber, Utah, 80 second ft. of water from the Duchesne River, with diverting canal 31,680 ft. long; Jas. D. Cravens, Payson, Utah, 27 second ft. from the Green River with diverting canal 21,500 ft. long; Hubert D. Page, Salt Lake City, 200 second ft. from the Green River in Wasatch County, length of diverting canal, 15 miles.

BONNERS FERRY, IDAHO.—Alex. M. Winston and Myron M. Folsom, of Spokane, Wash., are stated to be ready to undertake the establishment of a water system in Bon-ners Ferry, if they can secure proper assist-ance from the town. The plan is to capitalize for $20,000.

NIAGARA FALLS, ONT.—Following bids were received Oct. 5 by Water-Works Board for a 5,000,000-gallon, electrically operated centrifugal pump: R. D. Wood Co., Phila-delphia, $10,587; Mather & Platt, Manchester, Eng., John T. Farmer Montreal agents, $6,600; Buffalo Forge Co., $7,265; I. P. Mor-ris & Co., Philadelphia, $8,500; Allis-Chal-mers-Bullock Co., Montreal, $7,250.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

CONCORD, N. H.—Council has passed reso-lution authorizing sewer loan of $5,000. It is planned to start surface drainage work at certain points this fall, and to take up other improvements next spring.

PUTNAM, CONN.—We are informed that Council has voted to call meeting to see if city will authorize an appropriation of $50,-000, with which to begin the work of con-structing sewers. C. E. Chandler, Norwich, Conn., is Engr.

WEST HARTFORD, CONN.—Town will build a branch sewer to connect with inter-cepting sewer of Hartford. Cost will be about $8,000. T. E. Stanley is Selectman.

ITHACA, N. Y.—Williams & Whitman, Engrs., 17 Battery Pl., New York, have made a report to the Sewer Commissioners on in-creasing the efficiency of the local sewer sys-tem. It is said that no immediate action is contemplated.

STAMFORD, N. Y.—We are advised that contract for Lake St. sewer was awarded Oct. 9 to HAGER & MOXLEY, Stamford, N. Y. Sewer is to be 2,500 ft. long, and contract price was $2,750, this including manholes, flush tanks, lampholes, etc.

AVON-BY-THE-SEA, N. J.—Bids are asked by the Mayor and Council until 8 p. m., Oct. 23, for construction of about 12,000 ft. of sewer pipe. R. C. Love, Boro. Engr.; John Thomson, Mayor.

ENGLEWOOD, N. J.—Contract for con-structing sewers in Demarest Ave. and Ham-ilton Ave. have been awarded to CHARLES BRUCKER at the following figures: Dema-rest Ave., $1,753; Hamilton Ave., $1,555; spur to Brook Ave., $445.

JERSEY CITY, N. J.—Bids will be received by Street and Water Commissioners, James S. Nolan, Chn. Com. on Streets and Sewers, City Hall, at 2 p. m., Oct. 23, for construction of sewer in Van Winkle Ave. Work will re-quire the following: About 667 lin. ft. of 48-in. brick circular sewer, 1,555 lin. ft. of 60-in. brick circular sewer, 820 lin. ft. of 84-in. 3-ring brick circular sewer, 100 lin. ft. of 84-in. steel pipe sewer, 200 cu. yds. rock exca-vation, 12,000 lin. ft. of piles driven, 28,800 ft. B. M. capping, 45,000 ft. B. M. flooring, 35,000 ft. B. M. sheathing, 10 receiving basins and connections, 1,500 cu. yds. of earth excavation.

Bids are also asked until 2 p. m., Oct. 23, for construction of a sewer in Collard St. Work includes about 1,130 ft. 30-in. oval brick sewer, 470 ft. 24-in. brick circular sewer, 1,076 ft. 18-in. vitrified pipe sewer and 900 cu. yds. rock excavation.

WASHINGTON, D. C.—We are advised that all bids received Sept. 28 by Capt. A. W. Butt, Q. M., for constructing sewer from coal testing plant at south end of Aqueduct Bridge, Rosslyn, Va., to the Potomac River were rejected.

WASHINGTON, D. C.—Following bids were opened by the Isthmian Canal Commission Oct. 16 for 76,000 ft. of vitrified sewer pipe and fittings: Blackman & Post Pipe Co., New York, $22,267; American Sewer Pipe Co., Pittsburg, $13,981; Manning, Maxwell & Moore, New York, $17,872.

CONGRESS HEIGHTS, D. C.—Committee, of which O. A. Emmons, Pres. of Congress Heights Citizens' Association, is a member, has been appointed to secure a sewer system for this place. Efforts will be made to secure a direct appropriation from Congress. Post-office is Washington, D. C.

KEYSER, W. VA.—City has voted to issue $20,000 of sewerage and street paving bonds.

HUNTINGTON, W. VA.—We are informed that contract will be let about Jan. 1 for the construction of 6,000 ft. of 4 × 5-ft. brick sewers; average cut, 20 ft. Est. cost is about $45,000. Jno. H. Sanborn, Cy. Engr., is of-ficial in charge.

PARKERSBURG, W. VA.—Contract for storm sewer in the 8th and other Wards (bids opened Oct. 10) has been let to J. W. CURRY, for $15,173.

WAYNESVILLE, N. C.—We are informed that bids were opened Oct. 14 by Mayor and Council for constructing pipe sewers in Pigeon and Brown Ave. the contract being awarded to MILLER SMITH & CO., Waynes-ville, at $4,324. C. G. Logan, Supt. W.-W.

ASHEVILLE, N. C.—We are informed that laying of 5,100 ft. of 10-in., 8-in. and 6-in. pipe sewers will be done by J. R. Rich and Kelly & Felthaus, local contractors. Est. cost is $4,500. B. M. Lee is Cy. Engr.

ROCK HILL, S. C.—Petitions are being cir-culated asking that Council call special elec-tion to vote on installing sewer system.

WOODLAWN, ALA.—Council is stated to have taken definite steps for construction of sewer system.

WINCHESTER, KY.—City will vote at November election on issuing $40,000 of bonds for constructing sewer system.

COVINGTON, KY.—A $40,000 bond issue for completion of Willow Run and certain trunk sewers will be voted on at November election.

LOCKLAND, O.—Village has voted to issue $80,000 bond issue for sewer system. Post-office is Station R, Cincinnati, O.

AKRON, O.—Bids are asked by Board Pub-lic Service, Chas. H. Watters, Secy., until noon, Oct. 25, for construction of 4-ft. surface water sewer in Voris, Miami and Thornton Sts.

CHAGRIN FALLS, O.—We are advised that no engineer had been engaged for proposed sewerage construction. An election is to be held Oct. 23 to vote on putting in the sys-tem. F. P. Shumaker is Mayor.

CINCINNATI, O.—Board Public Service has signed contract with THOMAS P. STRACK for the extension of the Bloody Run sewer to Millcreek. Contract price is $171,355.

HAMILTON, O.—Board of Health has de-cided to introduce sanitary sewer system similar to that at Dayton, O., and it is stated that bids will be asked at once for construc-tion of sewers in districts already outlined.

LA PORTE, IND.—Bids are asked until 6 p. m., Oct. 24, for construction of 10-in. tile sewer in East Maple Ave. C. E. Wolfe, Cy. Clk.

SOUTH BEND, IND.—We are advised that problem of a trunk sewer for the business district is being worked out and will prob-ably be ready for advertisement for bids this fall. A. J. Hammond, Cy. Engr., is to pre-pare plans and specifications.

KOKOMO, IND.—Board Public Works will, it is stated, soon call for bids for construct-ing sewers in Jones, Nelson, Garden, Pontioc, Reunion and Holton Sts.

MATTOON, ILL.—We are informed that plans are being prepared for an extensive drainage system for the north part of the city. Claude L. James is Cy. Engr.

WILMETTE, ILL.—We are informed that C. N. Roberts is now making plans and speci-fications for extensive relief sewer system. E. P. Dunshee is Secy. Bd. Local Impvts.

WAUKEGAN, ILL.—City Engineer is re-ported to be completing plans for sewer sys-tem for the North and West sides. Cost will be about $150,000.

ROCKFORD, ILL.—We are advised that contracts for pipe sewer construction (bids opened Oct. 11 by Board Local Improve-ments, Edwin Main, Cy. Engr.) have been awarded as follows: G. MAFFIOLI, Rock-ford, Ill., Elm St. sewer, $4,275; Seventh St. sewer, $215. S. VANDEWALKER, Belvi-dere, Ill., Seventh Ave. sewer, $618.

FOND DU LAC, WIS.—Contract for con-structing storm sewers in East and West First St. and Fourth St., and sanitary sewers in several other streets has been let to J. RASMUSSEN & CO., Oshkosh, Wis., for $14,879.

SUPERIOR, WIS.—Extension of Winter St. sewer to docks of Northwestern Fuel Co., at a cost of about $5,000, is under consideration.

DES MOINES, IA.—John W. Budd, Cy. Engr., has prepared plans and specifications for a new storm water sewer on Locust Ave. Est. cost is about $7,000.

Bids are asked by Board Public Works until 11 a. m., Oct. 27, for construction of about 1,300 ft. 12-in. vitrified clay pipe sewer in York St.

CEDAR FALLS, IA.—Contract for putting in sewers in Iowa, Walnut and 5th Sts. has been let to W. A. EDGAR, Cedar Rapids, Ia.

CRESCO, IA.—We are advised that only one bid was received Oct. 2 by City Clerk for constructing two sewers, and contract conse-quently was not let. Contract for the sew-age disposal plant was let to M. TSCHIRGI, Dubuque, Ia., for $1,789. W. L. Richards is Chn. Com.

SPRINGFIELD, MINN.—Bids were re-ceived by this village Oct. 1 for construct-ing sewer after plans and specifications of O. Claussen, Engr., St. Paul, Minn., the contract being let to A. C. OCHS, Springfield, Minn., at $2,900 for a brick sewer.

ALBERT LEA, MINN.—Bids are asked by City Council, C. E. Brainerd, Cy. Clk., until 4.30 p. m., Oct. 24, for construction of Spring Lake trunk sewer. Work is as follows: 450 ft. 32 × 48-in. brick sewer, egg shaped section, 8 to 15 ft. deep; 1,149 ft. 77 × 55-in. brick sewer, egg-shaped section, 8 to 31 ft. deep; 280 ft. 50-in. brick sewer, horseshoe shape section, 9 to 8 ft. deep; 5 manholes and 5 catch basins; 128 ft. 50-in. brick sewer, horseshoe shape, and 1,082 ft. 18-in. vitrified pipe, 0 to 5 ft. deep; 1,210 ft. 18-in. vitrified pipe, 0 to 5 ft. deep. L. P. Wulf, Engr., St. Paul, Minn.

ST. PAUL, MINN.—Bids for sewer work were opened Oct. 5 by Board Public Works, contracts being awarded as follows: JAMES FORRESTAL CO., sewer in Fairview and other streets, $24,430; RYAN & JOHNSON, sewer in Grand Ave., $1,960; sewer in La-mond St., $1,134. James Forrestal & Co., at $13,617, was low bidder for sewer in Minne-haha and other streets. Contract for sewers in Cretin, Grand, Lincoln and other streets has been let to JOHN LIND for $27,500. Contract for sewer in Baker St. and Mano-min St. was let to J. M. THORNTON for $4,295.

McPHERSON, KAN.—Plans have been or-dered drawn for sewer system for this city.

ALLIANCE, NEB.—It is stated that Blake & Lawrence, St. Louis, Mo., are to make surveys for sewer system for this place.

KIRKSVILLE, MO.—Council is considering installation of sewer system.

MARIANNA, ARK.—City is to construct sewer system. Hiram Phillips, Engr., St. Louis, Mo.; E. W. King, Secy. Sewerage Comn.

HOT SPRINGS, ARK.—Hiram Phillips, Consult. Engr., St. Louis, Mo., has made re-port on local sewer system, and it is said that several important changes will be made. S. Cooper is Acting Mayor.

HOUSTON, TEX.—Contract for construct-ing pipe sewer in Preston Ave., bids opened by City Secretary Oct. 9, has been let to McCLINTOCK & SARGEANT, Houston, Tex., for $5,781. I. Austin Miller is Cy. Engr.

LAWTON, OKLA.—Council has awarded contract for 32,000 ft. of sewerage to J. O. SEVERNS, Guthrie, Okla., for $38,700.

WENATCHEE, WASH.—Contract for con-structing 1,775 ft. 8-in. and 1,470 ft. 12-in. pipe sewer has been awarded to J. J. O'CON-NOR, Wenatchee, for $5,470. Bids were opened Sept. 28. W. R. Prowel is Cy. Engr.

NORTH YAKIMA, WASH.—Bids are asked by City Clerk until 11 a. m., Nov. 6, for constructing sewer system, requiring 2,350 lin. ft. 16-in. wood stave pipe, 2,350 ft. 18-in., 2,700 ft. 15-in., 9,415 ft. 12-in., and 7,915 ft. 10-in., vitrified pipe sewer and 62 manholes. Ernest McCulloh is Cy. Engr.

PORTLAND, ORE.—Contract for construct-ing Irvington District sewer has been let to PACIFIC BRIDGE CO., Portland, for $133,765.

REDDING, CAL.—Election will be held Oct. 23 to vote on $145,000 bond issue, of which $60,000 is for sewers and $70,000 for streets.

STOCKTON, CAL.—City may vote this fall on issuing $500,000 of bonds for improve-ments, to include a new sewer system with septic tanks.

NIAGARA FALLS, ONT.—Contract for con-struction of sewer in Section 18 has been let to PETER LIRENZO for $3,872; contract for sewer in Section 19 was let to FRASER & WARD for $4,595.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

BRIDGEPORT, CONN.—Contract for col-lection of garbage, dead animals, etc., for ten years has been awarded to J. T. KING and H. E. RIELLY, of Bridgeport, at $2.32 a ton. Bids were received on Oct. 10. Dr. Elmer F. Blank is Pres. Bd. Health.

ATLANTIC CITY, N. J.—City Council may let contract for sprinkling city streets. Ordi-nance is now before the council.

EAST ORANGE, N. J.—William T. Bow-man, Health Inspector, has submitted a re-port to Board of Health, recommending the erection of a crematory or trench system.

BIRMINGHAM, ALA.—The question of constructing a crematory for the disposition of refuse is reported to be under consideration by city.

JACKSON MISS.—A committee has been appointed, with T. McCleland Chn., to select site for garbage crematory.

ROCKFORD, ILL.—Dr. Emil Lofgren, Health Comr., has submitted a report to council recommending that the Engle method of garbage disposal be taken under consideration and acted upon before the expiration of the O'Garr contract in December.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

CONCORD, N. H.—It is stated that A. W. Dean, State Engr. will receive bids until Oct. 21 for constructing roads in several towns.

SOUTHBORO, MASS.—Bids were opened Oct. 12 by State Highway Commission, Boston, for building state road in Southboro and the contract awarded to L. C. CARCHIA, Tileson St., Boston, the lowest bidder, for $4,161.

BROOKLYN, N. Y.—Bids will be received by Martin W. Littleton, Boro. Bres., until Oct. 25 for regulating, grading and paving and repaving portions of five streets.

JOHNSTOWN, N. Y.—Contract for paving with asphalt block has been awarded to HASTINGS PAVEMENT CO., 25 Broad St., New York City, at $27,361 for Market St.; and $5,117 for Perry St. Bids were opened Oct. 2.

GREEN ISLAND, N. Y.—At a meeting of taxpayers it was decided to pave George St.

PLAINFIELD, N. J.—At the meeting of Common Council held on Oct. 9 the petition to have Sherman Ave. macadamized from Grant Ave. 700 ft. south was granted and an ordinance authorizing the work was passed on two readings. Andrew J. Garvett is Cy. Surv.

TRENTON, N. J.—The BARBER ASPHALT PAVING CO. was awarded contracts for paving Odgen St., Handford Place and Stockton St. with asphalt. J. H. CALDWELL was awarded contract for macadamizing Monmouth St.

SOUTH ORANGE, N. J.—An ordinance to pave Main St. with vitrified brick is being considered by Common Council.

BRADDOCK, PA.—Bids were opened Oct. 4 by Borough Council for the paving of Jones Ave. The lowest bid was from McCrady Bros., of Braddock, and was for $2 438. For the paving of Seddon Ave. the lowest bid was from Thos. Cronin, at $6,908. All bids were rejected. Wm. J. Vance is Pres.

SHARON, PA.—Bids will be received by O. J. Denny, Secy. Boro. of Sharon, until 7 p. m., Oct. 23, for paving of Hazel St.

ALTOONA, PA.—Sealed proposals will be received by Board Public Works until 7 p. m., Oct. 25, for paving with vitrified brick on Lexington Ave., 11th St. and 11th Alley, approximately 10,057 sq. yds. Specifications may be seen at office of Engineering News, 220 Broadway, New York City. Henry Linton, Cy. Engr. (Advertised, Engineering News.)

ERIE, PA.—We are informed that the contract for paving on Myrtle St. with sheet asphalt was awarded on Sept. 21 to MAYER BROS. Cost, $3,700.

HAZELTON, PA.—An ordinance providing for the issuance of $35,000 of bonds for street paving was adopted by Common Council.

BALTIMORE, MD.—W. A. Haworth, Calvert Bldg., will develop "Dukeland," the estate of the late Gen. J. S. Berry, on Bloomingdale, near Calverton Ave., and will cut streets through the property and drain and pave the streets. About $25,000 will be spent.

MOUNDSVILLE, W. VA.—Bids are asked by Walter A. McGlumphy, Cy. Clk., until 3 p. m., Nov. 6, for paving with vitrified brick Baker Ave., from First to Second Sts., and Thompson Ave., from 12th to 13th St.

HUNTINGTON, W. VA.—John H. Sauborn, Cy. Engr., writes us that the contract for about 70,000 sq. yds. of brick paving will be let about Jan. 1, 1906.

ANDERSON, W. VA.—The city has voted to issue $12,500 of water and street improvement bonds.

ASHEVILLE, N. C.—B. M. Lee, Cy. Engr., informs us that 42,000 sq. yds. of bitulithic paving will be done this fall and spring by Warren Bros., for the city. Est. cost, $95,-000.

SPENCER, N. C.—City has awarded a $35,-000 contract to C. HARKLEY, of Roanoke, Va., for paving streets and constructing sewer system.

LEXINGTON, N. C.—The town has voted the proposed issuance of $5,000 of bonds for improving sidewalks.

COLUMBUS, GA.—We are informed that the SOUTHERN BITULITHIC CO. have been awarded the contract for paving on Broad St., about 4,000 ft., with bitulithic. Bids were opened on Oct. 3 by Board Public Works, as advertised in Engineering News Sept. 14. W. C. Campbell, Supt. Pub. Wks.

GAINESVILLE, FLA.—The city has voted bonds for street paving.

JACKSON, MISS.—The following bids were received by Council for the paving of First St. and Park and Michigan Aves.: Central Bitulithic Co., $21 911; Barber Asphalt Paving Co., five bids, from $18,578 to $20,590; Geo. H. Kneal, brick, with asphalt filler, $19,398.

DONALDSONVILLE, LA.—The city will expend $5,000 for stret paving.

LOUISVILLE, KY.—The American Standard Asphalt Co. was the lowest bidder for reconstructing St. Catherine St., between Third and Fourth Sts., at $1.33 a sq. yd. Bids for reconstruction of part of Hemlock and Dumesnil Sts. and Bassett Ave. were very close between the American Standard and the Barber Asphalt Co., the prices being between $1.85 and $1.91 a sq. yd. Awards will be made to the lowest bidders.

JACKSON, KY.—Harold H. Gibson, Town Engr., writes us that the contract for grading and macadamizing of four central streets of Jackson has been let to OSCAR HAGINS & CO., for $7,250. Work will commence about Oct. 19.

BOWLING GREEN, O.—Bids are asked by County Commissioners until Oct. 23 for grading, draining and macadamizing the P. C. Hoiles and S. B. Hengsteler Roads. E. L. Spafford, County Surv.

CINCINNATI, O.—Bids are asked by Board Public Service, Geo. F. Holmes, Clk., until Nov. 1 for grading, curbing and paving with asphalt a portion of Wade St.

Bids will be received until Oct. 23 for the improvement of Innes Ave., from Chase to Bruce Ave., by grading, setting curbs and paving roadway with asphalt.

AKRON, O.—Sherman St., from Exchange to South St., is to be paved with block asphalt. J. W. Payne is Cy. Engr.

BUCYRUS, O.—We are advised that the paving of Lucas and Prospect Sts., mentioned Oct. 5, will not be let until next year. C. P. Bryant, Cy. Engr.

CINCINNATI, O.—Bids are asked by County Commissioners until Nov. 10 for construction of drains and remetalling Deerfield Road in Sycamore Township. Eugene L. Lewis, County Audr.

CINCINNATI, O.—Bids are asked by Board Public Service until Nov. 6 for the improvement of Celestial St. by grading, setting granite curbs and laying roadway with bitulithic pavement. Geo. F. Holmes, Clk.

ASHLAND, O.—The city contemplates about five blocks of asphalt paving on Walnut St. Bids will be taken about April 1, 1906. C. P. Winhigler is Mayor.

UNION CITY, IND.—The City Clerk is asking for bids for grading and macadamizing roadway with crushed stone.

BLOOMFIELD, IND.—County Commissioners are asking for bids for constructing of two miles of gravel road.

WASHINGTON, IND.—County Commissioners will receive bids until Oct. 25 for the sale of gravel road bonds. John G. Shanks, Chn.

CROWNPOINT, IND.—We are informed that all bids received Oct. 7 by County Commissioners for constructing 11 miles of gravel roads in Hobart Township and two miles on county line have been rejected, and new bids will be received on Nov. 6. W. L. Allman, County Audr.

EVANSVILLE, IND.—August Pfafflin, Cy. Engr., informs us that the BARBER ASPHALT PAVING CO. has the contract for paving with asphalt on Sixth St., Riverside Ave. and Walnut St., approximately 40,000 sq. yds.

Contract for paving on Water St., 1,500 sq. yds., has been let to BED & NUGENT.

MUSKEGON, MICH.—The project of extending Second St. from Muskegon Ave. to a point near Hamilton St. is again being considered by the Council.

FORT SHERIDAN, ILL.—The contract for construction of roads and walks and for grading for Sheridan has ben awarded to JAS. CAPE & SONS, at $13,540.

WILLMETTE, ILL.—We are informed that the contract for paving with brick on Linden Ave., including concrete curb and gutter, has been let to SMITH & BROWN, of Chicago, Ill., for $33,271.

ALTON, ILL.—Bids will be taken this winter for about six miles of brick paving. T. M. Long is Cy. Engr. Mentioned Oct. 5.

WAUKEGAN, ILL.—The Board Local Improvements, F. W. Churchill, Secy., will receive bids in about two weeks for granite-top macadam paving in the Sheridan Road district. Cost, $14,000. The Board also contemplates about one mile of brick paving.

GLENWOOD, ILL.—We are advised that all paving has ben laid till spring, when considerable work will be taken up.

ASHLAND, WIS.—Sealed proposals will be received by Board Public Works until 10 a. m., Oct. 26, for constructing hemlock or pine sidewalks. Jas. Phillips, Cy. Engr.

GREEN BAY, WIS.—Plans are being prepared for 18 to 20 blocks of brick paving on Main, Washington and Pine Sts. W. W. Read is Cy. Engr.

SHEBOYGAN, WIS.—The city contemplates considerable macadam paving in the spring.

SUPERIOR, WIS.—S. M. White, Cy. Engr., writes us that the macadamizing of Seventh St., about 7,825 sq. yds., has been ordered by Council, but the contract will probably not be let until spring.

ST. PAUL, MINN.—The contract for macadamizing Minnehaha St. has been let to W. J. PRENDERGAST, for $18,000.

MINNEAPOLIS, MINN.—We are advised that the city is agitating the question of resurfacing about 100,000 sq. yds. of asphalt streets in the business district. There is a question if something other than asphalt cannot be used.

ATCHISON, KAN.—Resolutions have been passed by Council providing for the paving of R and Q Sts., and allev in block No. 4, with brick, to consist of 2,305 sq. yds. paving and 1,280 lin. ft. curb.

CLEAR LAKE, S. DAK.—All bids were rejected by County Commissioners for building 300 ft. of 6-ft. cement walk on west side of Court House block. E. N. Flanders, County Audr.

WASHBURN, N. DAK.—County Commissioners rejected all bids for constructing grades. O. B. Wing, County Audr.

JEFFERSON CITY, MO.—E. F. C. Harding, Cy. Engr., writes us that plans have been prepared for macadamizing and constructing cement curb and gutter on sundry streets; est. cost, $10,800.

DALLAS, TEX.—An election is to be held here to decide the question of issuing $60,000 in bonds for street extensions. E. L. Dalton is Cy. Engr.

GALVESTON, TEX.—Bids are asked by John D. Kelley, Cy. Secy., until Oct. 26 for furnishing and delivering 20,000 cu. yds., more or less, as may be required, of mud-shell for street improvement work. C. G. Wells, Cy. Engr.

SPOKANE, WASH.—Bids are asked by Board Public Works until 2 p. m., Oct. 28, for paving Second Ave., from Howard to Washington St. A. F. Gill, Cy. Engr.

SEATTLE, WASH.—Resolutions have been introduced and passed by City Council ordering the following improvements: Prefontaine Place and other streets, paving with brick and sand stone, estimated cost, $105,000; Third Ave., N. W., and other streets, grading, $13,900; Eastlake Ave., grading, $27,-800; a majority petition for the improvement of 15th Ave., N., and other streets, by paving same with asphalt, $30,500.

The contract for the improvement of Louisa and other streets by grading has been awarded to S. NORMILE, for $30,225. Work will be commenced immediately.

The following bids were received Oct. 7 (readvertisement) by Board Public Works for grading and constructing concrete sidewalks on East Fir and other streets: D. Dow & Co., $18,398; FRANK & BRANDON, $17,-932 (awarded contract); N. McKinnon, $18,-526. R. H. Thompson, Cy. Engr.

EVERETT, WASH.—City Council has awarded the contract for paving Hewitt Ave., from Grand Ave. to Broadway, with creosoted blocks, to GEO. McKENZIE, for $51,500.

OAKLAND, CAL.—E. B. & A. L. STONE CO. was awarded contract for macadamizing Chestnut St., from Third to Fifth, bid being 7 cts. per sq. ft. Frank R. Thompson is Cy. Clk.

SALT LAKE CITY, UTAH.—We are informed that the contract for paving State St. will not be let until next year. Material not definitely decided upon. Geo. W. Riter, Cy. Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—Wheeler & Betton, Archs., 59 Exchange St., have prepared plans for a five-story shoe factory building for Hennessey & Thompson. The building will be L shaped, one wing, 350 × 50 ft., and the other 112 × 50 ft. Address owners.

NEW YORK, N. Y.—C. B. Myers, Arch., 1 Union Sq., has plans in progress for printing plant building to be erected at 149th St. and Third Ave. Brick and stone, 6 stories, 75 × 150 ft.

SYRACUSE, N. Y.—The O. M. Edwards Co., manufacturers of railroad specialties, will build a five-story brick factory building, 200 × 50 ft., next spring.

The Syracuse Rawhide Co. has voted to increase its capital stock from $25,000 to $100,000 and to erect a factory building. Francis H. Gates, Chittenango, N. Y., is Pres.

SYRACUSE, N. Y.—The Syracuse Paper & Pulp Co. will build a large addition to its factory, at North Clinton and Division Sts., next spring.

CAMDEN, N. J.—Robt. Sturgis, of Clarksville, and John Askew, of Big Sandy, are here getting up stock for the purpose of organizing a canning factory.

YORK, PA.—Fire gutted the plant of the York Mfg. Co.

PHILADELPHIA, PA.—The National Soap Co., care H. Brickley, 2406 Montgomery Ave., has invited bids for factory at 18th St. and Sedgeley Ave. Power plant, special machinery, etc., required.

MORRISTOWN, PA.—The Fowler & Wolfe Mfg. Co., Bourse Bldg., Philaedelphia, will have plans prepared for an addition to their factory.

PHILADELPHIA, PA.—The Baldwin Locomotive Works, Broad and Spring Garden Sts., has invited bids for an electric truck shop building at 17th and Buttonwood Sts. Brick, 4 stories, 200 × 125 ft.

SCRANTON, PA.—The Richmond Underwear Co. has invited bids for a three-story addition to its mill. New equipment will be installed.

SHARON, PA.—The Executive Board of the United States Steel Corporation endorses a programme of improvements that has been mapped out and $2,000,000 will be expended in new construction at the mills in Sharon and South Sharon within the next six months. The nature of the improvements has not been announced and will not be until the Executive Committee acts. According to those in authority there is no doubt but what the Executive Board will sanction the improvements.

DUNBAR, PA.—A new blast furnace will be built by the Dunbar Furnace Co., of Dunbar. Contract for all structural steel and plate work has been awarded to WM. B. SCAIFE & SONS CO., of Pittsburgh.

WILMINGTON, DEL.—The E. J. Du Font Powder Co. has invited bids for factory. Brick, 3 stories, 175 × 65 ft. New equipment will be installed.

BALTIMORE, MD.—Clair Stillwagon, Connellsville, Pa., has purchased the old Spring Garden Brewery on Ridgely St., and will make extensive improvements to same.

The Mullen Manufacturing Co., machinists, 416 South Charles St., will erect an addition to its plant at 416 South Charles St. Brick and stone, 2 stories, 20 × 85 ft. Geo. Clothier, Jr., Arch., Lobe Bldg.

BALTIMORE, MD.—Oppenheim, Oberndorf & Co., shirt manufacturers, 112-24 West Fayette St., have commissioned Chas. E. Cassell & Son, Archs., 411 North Charles St., to prepare plans and specifications for factory building to be erected at Pulaski and McHenry Sts. Brick, 6 stories, 150 × 100 ft. It is stated that bids are now being received by the architects.

Louis Levi, American Bldg., has invited bids for a five-story factory on High St. for Schloss Bros. Co.

Jos. E. Sperry, Arch., Calvert Bldg., is preparing plans for factory [illegible] Pratt and Arlington Ave., for Fred [illegible] & Co. Brick, 4 stories, 90 × 172 ft.

NORFOLK, VA.—The [illegible] to provide for Panama [illegible] Cement Co. on the southern branch [illegible] will build near Norfolk, a navy yard [illegible] Elizabeth River, represent the expenditure [illegible] works to new plant will adjoin [illegible] Co.'s factories. The [illegible] have been purchased by [illegible] the Isle of Wight, Nans[illegible] Counties, Va.

HIGH POINT, N. C.—[illegible] chinery room and engine [illegible] kiln, ma- Furniture Co. was destroyed [illegible] the Eagle $25,000. E. A. Snow is [illegible] Loss Ragan, Secy. and Chas.

HIGH POINT, N. C.—R. [illegible] Wheeler, W. F. White and others will [illegible] plant here for the manufacture of mold[illegible] etc.

SHELBY, N. C.—A $10,000 [illegible] $15,000 ice factory will be erected [illegible] Chas. C. Blanton, C. B. Suttle and [illegible] Putnam.

CHARLESTON, S. C.—W. [illegible] Lloyd will erect a three-story brick [illegible] for laundry. A. W. Todd is Arch.

DURWOOD, S. C.—J. T. [illegible] & Bro. contemplate establishing a [illegible] and bed-spring factory.

CALHOUN, GA.—L. N. Legg [illegible] the market for a complete outfit of machinery for making pressed brick by the dry pressed brick process.

WASHINGTON, GA.—J. R. [illegible] on, I. T. Irwin and others will erect [illegible] ning factory here with a capacity of [illegible] cans per day.

COLUMBUS, GA.—The [illegible] bus Show Case Co. will erect a $100,000 furniture factory here.

TIFTON, GA.—W. J. Will[illegible]ham is arranging for the erection of a saw mill.

COLUMBUS, GA.—Columbus Coco-Cola Bottling Co. has purchased a site on which to build a bottling works, 50 × 200 ft. Cost, $25,000.

PELL CITY, ALA.—T. I. Kilgore will erect and operate a canning factory.

BIRMINGHAM, ALA.—The American Cast Iron Pipe Co., recently organized for the manufacture of gas and water pipe, is arranging for the erection of necessary buildings. The plant will include a main building, to be of brick and steel, 600 × 100 ft.; five smaller buildings, including power-house and machine shop. Chas. W. Hill, Engr. About $150,000 will be invested.

GADSDEN, ALA.—The Alabama Great Southern Ry. Co. will enlarge its car repair shops at this place and put in new machinery.

EUFAULA, ALA.—The Eufaula Lumber Co., R. A. Ballowe, Secy., wants catalogues of dynamos for isolated plants. The same company is also in the market for saw mill machinery.

NEW ORLEANS, LA.—It is stated that a $100,000 enameling and stamping plant will be located here by Geo. P. Hobbs and others.

KNOXVILLE, TENN.—The Knoxville Metallic Bed Co. will erect a factory here. H. L. Underwood is Pres.

LOUISVILLE, KY.—The Columbia Mantel Co., recently organized, has purchased the old Koop furniture factory at Ninth and Brecekenridge Sts., and same will be remodeled and used in the manufacturing of wood mantels. C. B. Brecher, Pres.

TOLEDO, O.—BENTLEY & SONS, Spitzer Bldg., have the contract to erect buildings for the Ohio Dairy Co., J. H. Bellows, owner. Cost, $22,000.

NORWOOD, O.—Hayward & Cortes, Archs., Union Trust Bldg., Cincinnati, have plans for two factory buildings for Smith & Nixon Piano Mfg. Co., Jos. Ebersole, Mgr.

COSHOCTON, O.—H. E. Smart, 443 Locust St., contemplates establishing a fruit cannery in Florida.

DETROIT, MICH.—John Scott & Co., Archs., 518 Moffat Bldg., let general contract to the TRUSSED CONCRETE STEEL CO., 404 Wayne County Savings Bank Bldg., for six-story cold storage warehouse, 162 × 175 ft., for A. Booth & Co. Cost, $250,000.

MUSKEGON, MICH.—W. C. & F. S. Robinson, Archs., Grand Rapids, Mich., are drawing plans for factory buildings, at Muskegon, to be erected by Chamber of Commerce for the Brunswick-Blake-Collender Co., Chicago, Ill. Samuel Rosen, Pres. Chamber of Commerce.

CHICAGO, ILL.—Watson & Hazelton, Archs., 303 Dearborn St., are preparing plans for factory and warehouse building, to be erected at 178-80 West Jackson Blvd., for the American Posting Service, 17 North Morgan St. Cost, $45,000.

TWO RIVERS, WIS.—Wm. J. Raeuber, Arch., Manitowoc, Wis., is preparing plans for factory, machine shop and office building for Kahlenberg Bros., Two Rivers. Brick and steel, 1 story, 50 × 100 ft., and 2 stories, 50 × 50 ft. Cost, $15,000.

DAVENPORT, IA.—Fire destroyed factory of the American Can Co.; loss, $150,000.

MINNEAPOLIS, MINN.—The Michigan Sugar Manufacturers' Association of Bay City will erect a large beet sugar plant near Minneapolis. W. L. Churchill, of Bay City, is Pres. Cost, $800,000.

MINNEAPOLIS, MINN.—The Great Northern Ry. Co. will erect large shops outside city limits at Cedar Lake. Cost, $200,000. A. H. Hogeland is Ch. Engr., St. Paul.

OMAHA, NEB.—Henry Voss, Arch., Ware Blk., is preparing plans for building for the Karbach Automobile Co., 12th and Howard Sts., at 13th and Howard Sts., to be used for garage and factory.

FORT ROBINSON, NEB.—Bids are asked by Maj. M. Gray Zalinski, Q. M., Omaha, until 10 a. m., Nov. 2, for constructing of bakery at Fort Robinson.

CAMERON, MO.—Edward Hogan contemplates installing an 8 or 10-ton ice plant, also cold storage.

WEBB CITY, MO.—A furniture factory will probably be located here. The Secretary of the Commercial Club can give information.

DENISON, TEX.—A plant for manufacturing brick made from a composition of sand and lime is to be established here by Carl Dignowity.

BARTLETT, TEX.—Fire totally destroyed the Bartlett oil mill. Loss, $50,000.

BRONSON, TEX.—The Kirby Lumber Co. will rebuild its plant, which was burned recently. B. F. Bonner is Gen. Mgr.

MEXIA, TEX.—The Mexia Light & Water Co., H. C. Cravens, Secy., contemplates erecting an ice factory.

DALLAS, TEX.—The Dallas Rug & Renovating Co., manufacturers of carpets, will locate a plant here. John A. Ewton can give information.

EL PASO, TEX.—The erection of a guayule rubber factory is contemplated. Secretary Chamber of Commerce can give information.

MACO, ARIZ.—A $500,000 company has been organized here to erect a smelter, according to the "Pink Sheet Daily Bulletin," of Chattanooga, Tenn. Robt. Mitchell is Pres., and Chas. B. Lewis, Secy.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—Oakland, Cal.—Council has passed ordinance appropriating $50,000 for dredging Lake Merritt.

DOCK.—Manitowoc, Wis.—Manitowoc Dry Dock Co. is reported to be considering construction of a large new dock.

DAM.—Phoenix, Ariz.—Bids are reported asked by W. G. Pendleton, County Clk., until 11 a. m., Nov. 6 for building a loose rock dam.

MINING TUNNEL.—Ouray, Colo.—Frisco Mines & Tunnel Co., N. R. Bagley, Pres., is reported to have let contract for 5,000 ft. of tunnel work to RICH WHINNERAH, Ouray.

BREAKWATER.—Port Burwell, Ont.—Bids are asked by Department Public Works, Fred. Gelinas, Secy., Ottawa, Ont., until Nov. 3, for constructing breakwater at Port Burwell.

CONCRETE WALL.—Key West, Fla.—Bids are asked by Bureau Yards and Docks, Washington, D. C., until 11 a. m., Dec. 2, for constructing a concrete quay wall at naval station, Key West. Specifications may be seen at office of Engineering News, 220 Broadway, New York.

DREDGING, ETC.—Philadelphia, Pa.—Bids are asked by Bureau Supplies and Accounts, Washington, D. C., until 11 a. m., Oct. 28, for dredging and filling in at reserve basin, navy yard, League Island.

WHARF WORK.—Gloucester, Mass.—Contract for rebuilding old Fort wharf has been let to WALTER CRESSY, Gloucester, for about $50,000. Plans were made by Winslow L. Webber, Gloucester.

EXCAVATING.—Sheffield, Ala.—A local report states that the NORTH ALABAMA CONTRACTING CO. has secured a contract of excavating work on Colbert Shoals below Sheffield. The contract amounts to $350,000.

FIRE ALARM.—Mare Island, Cal.—Bids are asked by Bureau Supplies and Accounts, Washington, D. C., until 10 a. m., Nov. 28, for furnishing under Schedule 187 an auxiliary fire alarm system for navy yard, Mare Island.

CABLE DUCT FIBER.—Baltimore, Md.—Board of Awards has let contract for 15,000 ft. of underground cable to STANDARD UNDERGROUND CABLE CO.; contract for 250,000 ft. of duct fiber was let to FIBER CONDUIT CO.

CONDUIT.—Gowanda, N. Y.—Contract for construction of conduit from power house to present buildings of Gowanda State Homeopathic Hospital was awarded to PFAU & KELLY, Buffalo, N. Y. Bids were opened Sept. 27.

DRAINAGE TUNNEL.—Cripple Creek, Colo.—Surveys have been begun for the drainage tunnel to be driven by the mine owners of this district. D. W. Brunton, Room 506, Boston Bldg., Denver, Colo., is Consult. Engr. Tunnel will cost about $500,000.

CONCRETE SHED.—New York, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity until 2 p. m., Oct. 25, for furnishing, constructing and erecting a concrete coal shed near Blake and New Lots Aves., Borough of Brooklyn.

PIER.—Boston, Mass.—The contract for building a timber pier at the Boston Navy Yard has been awarded to W. H. ELLIS, 11 Milk St., Boston, for $36,475 for the pier alone, and 30 cts. per cu. yd. for dredging on south side of pier. Bids were opened Oct. 7.

FERRY BOAT PARTS, ETC.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, until 2 p. m., Oct. 27, for furnishing and delivering miscellaneous duplicate parts for the municipal ferry boats. Bids are also asked for furnishing and delivering lumber.

CANAL, BRIDGES, ETC.—Port Huron, Mich.—Specifications for completing unfinished portion of canal from Lake Huron to Black River may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until Nov. 3, as advertised in Engineering News.

PARK.—San Jose, Cal.—A special election may be held to vote on issue of $100,000 of bonds for improving Alum Rock Park. Half of the amount would be used for building a bath house, and a landscape gardener secured to lay out the grounds. Harry J. Edwards is Park Comr.

DOCK WORK.—Baltimore, Md.—Nearly all of the appeals taken for awards of Burnt District's Commission, for Pratt St. widening have been settled, and it is now said that the city will be in a position to go ahead with the work of dock construction by Jan. 1. N. H. Hutton is Harbor Engr.

READERS' WANTS

Our readers, and others, who are in the market for supplies, machinery, etc., or to award contracts for work, will nearly always find the names of the firms who handle the material they want by referring to our advertising pages. Our advertisers are constantly changing their cards, and for this reason we advise our readers to look over the paper from the front cover to the back cover so as to keep in touch with up-to-date contractor's material, methods, etc. Mention Engineering News when writing our advertisers. If, however, you do not find advertised just what you want please write us at once and we will notify the proper firms without delay, and without charge.—Engineering News can help buyers.

BRICK MAKING MACHINERY.—Brandon, Miss.—S. L. McLaurin, of Brandon, is reported in the market.

AGRICULTURAL IMPLEMENTS. — Spain.—Jose de la Quintana, of Yerez de la Frontera, Spain, is reported in the market.

BRICK.—New York.—It is stated that the Georgetown Chemical Works, 104 Front St., is in the market for 40,000 red brick, f. o. b. Georgetown, S. C.

STEAM ROAD ROLLER.—Big Rapids, Mich.—L. W. June, Cy. Engr., writes us that the city will soon be in the market for a steam road roller.

BORING BAR.—Brownwood, Tex.—The Brownwood Fdy. & Machine Co. is reported to be in the market for a boring bar for boring steam cylinders.

WALL TIES.—West Point, N. Y.—H. H. Gridley, of West Point, writes us that he wants the names of makers of, or dealers in, wall ties or metal bonds for masonry.

SUGAR AND PLANTATION MACHINERY.—Chicago, Ill.—W. J. Lowitz, 3053 Michigan Ave., writes us that he is in the market for sugar and plantation machinery.

CONCRETE BLOCK MACHINES.—New York, N. Y.—Suffern & Co., Exporters, 96 Wall St., inform us that they want catalogues of firms making concrete block machines.

ENGINEERING SUPPLIES.—Uruguay.—W. M. Sandrew, 189 Constitugenter, Montevideo, Uruguay, writes us that he wants catalogues of firms in the U. S. making supplies for contractors.

MACHINERY FOR WORKING BRASS AND IRON.—India.—K. R. Khosla, of Rawal Pindi, India, is reported in the market for the machinery to be used in a factory for working brass and iron.

WATER-WORKS SUPPLIES.—St. Henry, O.—We are informed that W. H. Power and Henry A. Beekman, of St. Henry, wish to receive catalogues from manufacturers of supplies for water-works.

CONCRETE BLOCK MAKING MACHINES.—Newark, N. J.—N. J. Surges, Painter and Decorator, 205 Ferry St., writes us that he wants information regarding concrete blocks and machines.

ENGINEERING MATERIALS.—Lancaster, Pa.—F. H. Shaw writes us that he has opened an office in Room 519 Woolworth Bldg. to practice civil engineering, and he desires to receive catalogues from firms making engineering supplies.

LOCOMOTIVE.—Philadelphia, Pa.—A correspondent is in the market for a standard gage locomotive with a wheel base of not over 7 ft. and a total weight of not over 25 tons. Address "E. H. F.," care Engineering News, 220 Broadway, New York.

SMALL POWER PLANT.—British India.—Alex. Atkinson, Engineer and Contractor, Lahore, India (cable—"Atkinson, Lahore"), writes us that he wishes to be placed in correspondence with manufacturers of motors of a small power of about ¼ HP. to last 10 hours, the power to be secured from a nearby spring. Should Mr. Atkinson succeed in his investigations it is possible that he may buy hundreds of these small motors.

ROPE MAKING MACHINES.—Germany.—We are informed that A. G. Schwarz, of Buchtstr. F 70, Grohn, near Bremen, Germany, wishes to secure all data possible regarding rope making machines, and also wishes to get into correspondence with manufacturers of the same.

GRINDING MACHINERY.—Sykesville, Md.—We are informed that Edward McKnight, Box 124, Sykesville, Carroll County, Md., wishes catalogues of firms who make machinery for grinding feldspar, flint and mica. It is proposed to build a mill, etc., near Henryton, in Carroll County.

SMALL LOCOMOTIVES, RAILS, CARS, HAND-CARS, ETC.—Mexico.—W. H. Leonard, of San Juan Bantista, Estado Tabasco, Mexico, writes us that he is in the market for two small locomotives, suitable for 35-lb. rails, no grade to exceed 01%, also passenger and freight cars, rails, hand-cars, etc.

ELECTRICAL FURNACES, ETC.—Mexico.—Roy Spose, c/o Manuel Zouilla, of y Teziutlan, Pue., Mex., writes us that he wishes to buy some electric furnaces for the proposed plant to manufacture calcium carbide. Mr. Spose, who is interested in the company that intends to build the plant, states that there is ample water power.

NAPHTHA MOTORS, GAS AND GASOLINE MOTORS, PRODUCER GAS ENGINES, GASO-GENERATING MOTORS, HEATING APPLIANCES, ETC.—Russia.—N. M. Tager, Engineer, of Sagorodny Prospect, 23, St Petersburg, writes us that he wishes to receive catalogues from makers of the above, as he evidently thinks that there is a wide field for such machines of American make.

BOILERS AND ENGINES.—It is stated that boilers or engines are wanted by Harry Eberman, of Morgantown, Ky.; H. J. Lawar, Vineville, Macon, Ga.; J. G. Anderson, of Rock Hill, S. C.; J. W. Shiver, of Americus, Ga.; J. A. Brown, Mgr., Athens Carriage Works, Athens, Ga.; Carolina Ice & Packing Co., Darlington, S. C.; the Ozark Orchard & Investment Co., Gravette, Ark.; Am. C-I. Pipe Co., Birmingham, Ala.; Green River Coal Co., Spottsville, Ky.; Geo. D. Witt Shoe Co., of Lynchburg, Va.; and Merchants' Refrigerator Co., Kansas City, Mo.

BUILDING MATERIAL.—It is reported that building material of various descriptions are wanted by the Green River Coal Co., Spottsville, Ky.; the Merchants' Refrigerating Co., 550 Walnut st., Kansas City, Mo.; Geo. T. Banks, Monticello Ave., Norfolk, Va.; H. D. McCoy, Review Bldg., Cleburne, Tex.; Am. C.-I. Pipe Co., Birmingham, Ala.; J. G. Anderson, Rock Hill, S. C.; Carolina Ice & Packing Co., Darlington, S. C.; Edward Hogan, of Cameron, Mo.; L. Schatz, of Bucarest, Hungary; John W. Shiver, of Americus, Ga.; J. N. Richardson, of Marianna, Fla., and W. J. Willingham, of Tifton, Ga.

GUN CARRIAGES.—Washington, D. C.—Following bids per gun carriage were opened Oct. 16 by Bureau of Ordnance, War Department, for 20 3-in. field gun carriages: Bethlehem Steel Co., $3,846; Driggs, Seabury Co., $4,200; American-British Steel Mfg. Co., $3,010; United States Rapid Fire Co., $4,332.

FERRY HOUSE.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., Oct. 30 for furnishing labor and materials required for preparing for and building at St. George, Staten Island, a new ferry house and other structures appurtenant thereto, in connection with the new St. George Ferry Terminal.

HARBOR IMPROVEMENT.—Newport, R. I.—Contract for improvement of Point Judith harbor of refuge has been let to JOHN F. DONOVAN, New York. An appropriation of $100,000 is available for the work, which consists of extension of the shore arm of the breakwater. Bids were opened Aug. 30 by Lt.-Col. J. H. Willard, U. S. Engrs.

DAM.—St. Cloud, Minn.—Permanent surveys have been begun for the construction of the "Whitney" dam across the Mississippi River, plans for which were drawn several months ago, and its construction authorized by Congress. Dam will be 550 ft. long and will cost about $50,000. Samuel S. Chute, St. Cloud, Minn., is making surveys.

PARK WORK.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., Fifth Ave. and 64th St., until 3 p. m., Oct. 26, for constructing that portion of St. Nicholas Park north of 135th St. and east of St. Nicholas Terrace, in the Borough of Manhattan. The time allowed for the completion of the whole work will be 200 consecutive working days.

BOAT REPAIRS.—New York, N. Y.—Following bids were received Oct. 13 by Maurice Featherson, Comr. Docks, for labor and material for repairs to municipal ferry boats: T. W. Verdon & Co., Staten Island, $58,580; Jas. Shewan & Son, Houston, St., East River, $28,142; Morse Dry Dock Co., 17 State St., $35,611; Jas. Reilley Repair & Supply Co., 229 West St., $29,802.

CANAL PURIFICATION.—Brooklyn, N. Y.—Martin W. Littleton, Borough Pres., has announced that plans and specifications for the purification of Gowanus Canal have been completed and that bids for the work will be asked shortly. The plans provide for the construction of a tunnel from the bay to the head of the canal, and the installation of a pumping plant at the former place. The work will cost about $750,000.

CREEK IMPROVEMENT.—Syracuse, N. Y.—Onondaga Creek Commission, Edwin M. Wells, Secy., has reported to the Council on widening and straightening Onondaga Creek. According to the report the improvement will cost about $677,000. The report urges immediate improvement to the channel of the creek between West Belden Ave. on the north and Cortland Ave. on the south, with an intercepting sewer on the east side of the channel, this to cost $215,000. The matter is now in the hands of the Board of Public Works.

LOCOMOTIVE CRANE.—Boston, Mass.—Following bids were opened Oct. 17 by Bureau Supplies and Accounts, Washington, D. C., for a locomotive crane, 10-tons capacity, for Boston Navy Yard: Browning Engineering Co., Cleveland, O., $4,551; Brown Hoisting & Conveying Machinery Co., Cleveland, $6,000; Dodge Cold Storage Co., Philadelphia, $6,100; Industrial Works, Bay City, Mich., $4,886; North Penn Iron Co., Philadelphia, $7,000; Wellman-Seaver-Morgan Co., New York, $5,690.

LUMBER.—Washington, D. C.—Following bids were opened Oct. 16 by Isthmian Canal Commission: For furnishing 1,495,000 ft. of common No. 1, long leaf yellow pine lumber, various sizes: Southern Saw Mill Co., St. Louis, Mo., $37,450; Acme Lumber Co., New Orleans, $41,977; Panama Lumber & Planing Co., New Orleans, $37,254; R. N. Leonard, Gulfport, Miss., $46,820; A. L. Bacon & Sons, Savannah, $46,820; Cyrus C. Warren, Hattiesburg, Miss., $35,120; Turnbull, Joyce Lumber Co., Chicago, $36,920.

SUBWAY.—Reading, Pa.—Following bids were received Sept. 28 by Chas. C. Weltmer, Cy. Clk., for constructing subway under P. & R. Ry. tracks at Spring St.: Fehr & O'Rourke, $179,104; Nolan Bros., $168,800; Hawman Construction Co., Reading, Pa., $157,276 (deduct $2,000 if concrete is used, instead of granite); H. E. Ahrens & Bros., $219,130; Hawman Bros., $180,000; Nelson Buchanan & Co., Chambersburg, Pa., $190,315; also bid $48,000 for a section of the work. The appropriation for the work this year is $49,000.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

CONCRETE QUAY WALL.—Cuba.—Bids are asked by Bureau Yards and Docks, Washington, D. C., until 11 a. m., Dec. 2, for constructing concrete quay wall at naval station, Guantanamo, Cuba. Specifications may be seen at office of Engineering News, 220 Broadway, New York.

PORT IMPROVEMENTS.—Hawaii.—Army engineers will shortly recommend the expenditure of $1,172,595 for port improvements at Hilo, Hawaii. A breakwater 6,000 ft. in length is proposed to be located in water from 14 ft. to 45 ft. deep.

RAILROAD.—Alaska.—Further information is at hand concerning the projected Alaska railroad, mention of which was made in our last week's issue. According to this information the railroad will be built into the interior from the head of Cordova Bay, skirting Eyak Lake, thence following the trend of the range in an easterly direction to the delta of the Copper River, thence up the river to where it joins the government road and the route from there to Eagle City will parallel the road. This route is almost 500 miles in length, with 70 miles of branches or laterals reaching into the coal fields of Cattallo and the large copper deposits north and south of the Copper River. A branch 55 miles long will be built up the Chitina River to copper properties and another branch 25 miles long up the Cotsina to another copper deposit. The charter for the road was applied for at the last session of Congress. John Q. Jamieson, Clio, Cal., was the Engr.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

ELECTRIC LIGHTING. — France. — The question of lighting the communes of Béthune (Pas-de-Calais) and Acy-en-Multien (Oise) by means of electricity is under consideration.

PORT WORKS.—Italy.—Contract for a portion of the contemplated harbor improvements at Genoa has been awarded to CAV. GIOVANNI CARENA, Genoa, for about $1,405,000.

COPPER MINES, ETC.—Algeria.—J. Mongelon, of Arba, has asked the concession of the copper, zinc, lead and other metal mines situated on the territory of the commune of Rovigo, in the department of Alger.

LIGNITE DEPOSITS.—Italy.—La Societe Mineraria de Elettrica di Valdarno has been formed in Florence, with a capital of $800,000, to acquire and work some lignite deposits and establish an electric generating station in Tuscany.

RAILWAY.—Hayti.—A concession has been granted by the Haytian Government to M. Rodolphe Gardère, acting for a company, for the construction and working for a period of 50 years, of a railway from Gonaives to Hinche, Ennery, Saint Michel de l'Attalaye and Maissade, with a branch to Gros-Morne.

ZINC MINES.—Algeria.—Mr. Tisseyre (Sylvana), acting on behalf of the Societe d'Akkares, whose headquarters are at Constantine, 1 Boulevard de l'Ouest, has solicited a concession of the zinc, lead, copper and other minerals, situated on the territory of the commune of Belezama (Batna), department of Constantine.

LEAD MINES.—Spain.—The Societe des Mines de Saline Argentiferes en Espagne has been formed at Brussels for the purpose of developing a large group of argentiferous lead mines situated in the districts of Garlitos, Capilla and Penalsordo, province of Badajoz. The capital has been fixed at $300,000. Gustave Van Cutsem is appointed President, and H. Van Vreckon, Administrator.

STEEL PLANT.—Italy.—A company, the Stabilimeno Metallurgico Lugure, has been formed at Genoa, with a capital of $400,000, with the object of manufacturing and rolling iron and steel, as well as the production and sale of electric energy. The first board of directors is composed of the following: Alesandro Cerruti, Leopoldo Galliano, Davide Branceristofore, Luigi Parodi, Guiseppe Brichetto, Giovanni Alberti, Giovanni Alvisi, Enrico Rebosi and Arturo Martini.

DIKE.—Netherlands.—Work is about to be started by the Dutch Government on the reclamation of the Zuyder Zee by a dike constructed from Enkhuizen to Stavoren, where the body of water is only some 11 miles wide. There is a further proposal to make a dike between Wieringen and Friesland, so as to make an inland sea of the Zuyder Zee, which will be gradually emptied. The execution of this scheme will take over 10 years and will cost $17,500,000.

SLATE QUARRIES.—France.—The Societe Nonvelle des Araviesières réunies has been formed for the purpose of exploiting the slate quarries of Flumet, Allemont and Villargondran, as well as the manufacture of slate in all its forms. The headquarters of the company is at 18 Rue Oberkampf, Paris, and the capital has been fixed at $120,000. Among the directors are Gabriel, 18 Rue Croix-de-Seguez, Bordeaux; Noel-Louis Ripert, 33 Rue de l'Entrepot, Paris; Phillippe-Eugène Herr, 13 Avenue Carnot.

EXPOSITION.—Chile.—An exposition of motive power will be opened in Santiago some time toward the end of the current year, under the auspices of the Society for the Encouragement of Industry, and with the approval and support of the Government of Chile. The exposition will comprise the following sections: (1) Motive power; (2) industrial uses of alcohol; (3) pumps and presses; (4) machinery for various small industries. The following privileges will be extended: Free use of space in the exposition; exemption of duty on exhibits; payment of freight both ways; and 90 days from closing of exposition for withdrawal of exhibits. The society especially desires the participation of American firms, and has named as its agent in the United States, with that object in view, Señor Don Wenceslao Sierra, whose address is in care of the Chilean Legation, Washington.

DOCK AND DOCKYARD.—Venezuela.—A decree has been promulgated by the President of the Republic, ordering the construction of a dock and dockyard at Puerto Cabello. The construction of the works will be under the direction of the general commander of the navy. The sum of $96,500 has been appropriated for the work.

METAL MINES.—Peru.—The Societe des Mines de Tuco-Cheira has been formed for the exploitation of the metal mines of Peru. The headquarters of the company are situated at 50 Boulevard Haussmann, Paris, France, and the capital has been fixed at $500,000. Among the directors are: Andre Boucher, Rue Gaudot-de-Maurol, 1 F, Paris; Victor Manuel Carcérès, 57 Doughty St., London, W. C.; and C. Chaulput, 30 Rue la Boetil, Paris.

CIVIL SERVICE EXAMINATIONS

DRAFTSMAN.—Municipal Civil Service Commission of New York City, Henry Berlinger, Secy., 61 Elm St., New York, will hold an examination Oct. 31 for the position of topographical draftsman, at a salary of $1,200 per annum. Application will be received until 4 p. m., Oct. 24. The official advertisement appears in this issue of Engineering News.

DRAFTSMAN.—U. S. Civil Service Commission, Washington, D. C., has announced that the examination scheduled for Nov. 1-2, for topographic draftsman in the Post-Office Department, has been canceled. It is expected that this examination will be held when the next regular examinations for draftsmen are held, which will be in the spring of 1906.

CHEMIST.—U. S. Civil Service Commission, Washington, D. C., will hold an examination on Nov. 15, to secure eligibles from which to make certification to fill a vacancy in the position of expert chemist, at $5 per diem when actually employed, in the Quartermaster's Department at Large at Jeffersonville, Ind., and vacancies as they may occur in any branch of the service requiring similar qualifications. The appointee will be employed about 15 days a month, so that the salary will probably average about $75 per month.

INDUSTRIAL NOTES.

THE SOUTH BALTIMORE STEEL CAR & FDY. CO., of Baltimore and 66 Beaver St., N. Y., announces that it has appointed Benj. Watson as Eastern representative.

THE IDEAL STOKER, 114 Liberty St., New York, has secured a contract for the installation of Ideal Stokers at the Bayonne, N. J., works of the Para Recovery Co.

THE CELINA GAS ENGINE WORKS, of Celina, Ohio, has been organized to manufacture engines from 2 to 12 HP., under the O. F. Good patents. O. F. Good is Mgr.

THE STEARNS CO., Erie, Pa., announces that it has succeeded to the business of the Stearns Mfg. Co. as builders of the Heisler Locomotive, described in our issue of Dec. 9, 1897.

THE HURLEY TRACK-LAYING MACHINE CO., of Syracuse, N. Y., has recently placed a track-laying machine with the Streeter & Lusk Contracting Co., on the Chicago & Northwestern work between Manitowoc and Gillett, Wis.

THE BUCYRUS CO., of South Milwaukee, Wis., requests us to state that it is not financially interested in any dredging company, as has been stated in the press. This company builds dredges of all kinds, but does not take stock in any dredging company.

THE INGERSOLL-RAND CO., of 11 Broadway, New York, announces the establishment of a branch office at Houghton, Mich., under the management of T. F. Lynch, who has for several years past represented the Ingersoll-Sergeant Drill Co. in the copper and iron districts of the north.

THE WATER-WORKS EQUIPMENT CO., 180 Broadway, New York City, has furnished a pipe tapping machine for connecting a 30-in. water main with another of the same size at Trenton, N. J., while one of the mains is under water pressure. The machine is driven by a gas engine.

THE MORGAN CONSTRUCTION CO., 40 Exchange Pl., New York, report the sales of six producers to the Babcock & Wilcox Co. at Bayonne, N. J.; and four to the Penna. R. R. Co. for their Altoona shops. Among other recent sales of their Continuous Automatic Gas Producers are two to the Cambria Steel Co. at Johnstown, Pa.

JOS. G. FALCON, of Owensboro, Ky., and Evanston, Ill., reports that he has a contract at Owensboro for laying a 20-in. c. i. pipe and Cookswell strainer for a clean water supply. There will be 36 6-in. x 6-ft. strainers, which will be buried under the sand 5 ft. at the end of 1,700 ft. of suction pipe. There will be 64 Falcon ball joints used on the work.

THE STANDARD PAINT CO., 100 William St., N. Y., announces the introduction of Ruberoid Red Roofing, a product combining the utility and decorative effect of a permanent colored surface with weatherproof and fire-resisting qualities. Ruberoid Red is the only prepared roofing in which the coloring is incorporated into the fabric during the actual process of manufacture.

THE AMERICAN BLOWER CO.'S shops at Detroit are extremely busy in all departments. Among other large orders is one for complete heating apparatus for the new Allegheny shops of the Pennsylvania Lines West of Pittsburg. The two most important buildings being erected in the retail districts of New York and Chicago are to be ventilated throughout by American Blower Co. apparatus. Eighteen large fans and heaters and tempering coils, containing an aggregate of about 60,000 ft. of 1-in. pipe, will be used in equipping the Altman building in New York and the Marshall Field building in Chicago.

THE BUFFALO FORGE CO., Buffalo, N. Y., has secured through its St. Louis agent a large contract for the heating and ventilating of the Mo., Kan. & Tex. Ry. roundhouse, now building at Parsons, Kan. The usual fan system consists of a fan, engine and heater, in which is used all available exhaust steam, with live steam, as may be necessary. But in this installation, instead of using a steam heater, a special natural gas heater has been designed, as natural gas is so cheap and plentiful for fuel at the present time. The plant is so laid out that in event of natural gas failure the gas heater may be removed and replaced by the regular type of hot blast or low pressure fan system heater coils. The fans for this work are of extremely large proportions, measuring 190 ins. in diameter, over all, the maximum speed being 120 revolutions. They will be driven by electric motors.

THE HELWIG MFG. CO., of St. Paul, Minn., makers of pneumatic tools and other labor-saving devices, is placing on the market a jarless pneumatic hammer. They state that owing to the lack of vibration in their pneumatic hammer there is no strain on the user, and for that reason it increases the working capacity of every operator. Their 9-in. stroke, which weighs but 14 lbs., rivets up to 1¼-in. speedily.

THE ROBINS CONVEYING BELT CO., N. Y., has recently secured through J. G. White & Co., of New York, the contract for the belt conveyors for the Naval Coaling Station at Olongapo, P. I. The Robins Co. are also constructing a belt conveyor for handling coal for the Lackawanna Steel Co.'s plant at Buffalo, and expect to ship shortly a large order of belt conveyors for the Santanda Iron Mines, Santanda, Spain.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 136.

SYSTEM OF WATER-WORKS.

East Moline, Ill.

Sealed proposals will be received by the village of East Moline, Illinois, up to and including Saturday, the 11th day of November, 1905, for a system of Water-Works, comprising stand-pipe, pumps, engines, about 17,980 feet of cast-iron water mains, about 30 hydrants, pumping station and reservoir.

Plans, specifications and necessary information can be seen and had at the office of Frank J. Clendenin, Village Clerk of said village, and at the office of the Kimball Engineering Co., Davenport, Iowa.

A certified check of $1,000, payable to W. H. Ammerman, President, shall accompany each bid, such check to be returned to unsuccessful bidders upon the awarding of contract and to the successful bidder upon the entering into of a contract in accordance with bid and filing of necessary bond.

The contract so entered into shall not be valid or binding until ratified by the voters of said village in accordance with an act of the General Assembly of the state of Illinois entitled "An act to enable cities and villages to buy or construct water-works, etc.," passed April 19, 1899.

W. H. AMMERMAN, President,
THOS. GORMAN,
CLAUS L. LUNDQUIST,
FRANK SIBLE,
Special Water-Works Committee of the Village of East Moline. 16-3t

DREDGING IN OYSTER BAY HARBOR.

Sealed proposals will be received until 12 o'clock noon, Nov. 1, 1905, for dredging about 37,000 cu. yds. of material and filling lowlands. Plans, profiles, etc., can be had from H. S. THOMSON, C. E., Oyster Bay, N. Y., or 92 Liberty St., N. Y. C. 16-1t

Municipal Civil Service Commission, 61 Elm Street, New York, October 9, 1905.

Public notice is hereby given that an open competitive examination will be held for the position of Topographical Draftsman on Tuesday, October 31, 1905, at 10 A. M. The receipt of applications will close on October 24th at 4 P. M. For scope of examination and further information, apply to the Secretary of the Civil Service Commission.

WILLIAM F. BAKER, President,
R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.
HENRY BERLINGER,
Secretary. 16-1t

WEST POINT, N. Y., October 16, 1905.—Sealed proposals, in triplicate, will be received here until 12 o'clock, noon, November 29th, 1905, for the construction of one Post Headquarters Building, as per drawings and specifications on file in this office. The U. S. reserves the right to accept or reject any or all proposals or any part thereof. Forms and specifications furnished upon application. Address QUARTERMASTER, West Point, N. Y. 16-2t 20-2t

PROPOSALS FOR AMMUNITION HOISTS.—Office Chief of Engineers, U. S. Army, War Department, Washington, D. C., Oct. 4, 1905.—Sealed proposals for furnishing and delivering chain ammunition hoists will be received here until 2 p. m., Nov. 3, 1905, and then publicly opened. Information furnished on application here. FREDERIC V. ABBOT, Major, Engineers. 14-4t

SITUATIONS OPEN

WANTED.—C. E. graduates, with one or two years' experience, ass assistants in general engineering practice; southerners preferred. Apply, with full information, to ROBT. L. LUND, Consulting Engineer, Little Rock, Arkansas. 16-1t

WANTED.—Young man to learn the contracting business; technical graduate preferred; low salary to start; good opportunity for advancement. Apply at ROOM 1706, 299 Broadway, New York. 16-1t

WANTED.—First-class draftsman on structural work for buildings; state age, references and salary expected. Address "E. A. 16," Engineering News, New York. 16-1t

STRUCTURAL DRAFTSMAN.—First-class detailer; state particulars and salary wanted. NATIONAL BRIDGE WORKS, Review Ave., L. I. C. 16-1t

WANTED.—Rodman, with some experience, good penman, technical education and living near N. Y. City; state experience and salary expected. Address "I. A. 16," Engineering News, New York. 16-1t

WANTED.—A man to sell our computing beam and timber scales. Architects, Engineers and Contractors buy them on sight. Five to ten dollars per day easily earned by energetic salesmen. Address for particulars THE JOHN HOWARD HERRICK CO., 3 Clay St., Baltimore, Md. 16-3t

WANTED.—Experienced foreman to build bridge piers and abutments tidewater; state experience and give references. Address "K. A. 16," Engineering News, New York. 16-1t

Miscellaneous Wants

DESIRE TO PURCHASE

One Second-Hand Armature

First-class condition for General Electric Monocycle. 2200-1100 volt, 75 K.W., 900 R. P. M. generators; required in New York immediately. Submit lowest price and location.

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Concrete and Fire-proofing Expert

Graduate Civil and Architectural Engineer, with over 12 years' practical experience, both in Europe and the U. S.; patentee in these lines with entirely new ideas, WISHES TO ORGANIZE A CONSTRUCTION CO.

Details, references, etc., cheerfully given.

Address "W 16" Engineering News, New York 16 1t.

WANTED

Business Opportunity in New York in Engineering Line

A half interest or to buy outright.

Address "B. A. 11," Engineering News
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For Sale

Gates' Stone Crushing Plant

With Contracts taking daily output.

H. S. HOLLAND, 1019 Floyd Ave,
RICHMOND, VA. 16-4t

FOR SALE

Locust and Chestnut Fence Posts
Chestnut Trolley and Telephone Poles
Hardwood Piling. Mining Timber

The Culbertson Lumber Co., Ironton, O.

FOR SALE

Hoisting Outfits

16 second-hand Spool and Drum Outfits from 9 to 24 horse-power at low prices—in stock for immediate delivery; also 237 Sheave and Narrow Mortise Blocks for Manilla Rope, Centrifugal Pump, Traveler Wheels, Screw Jacks, Boilers, Engines, Floor Plates, Tee Rails, Beams, Pipe and New or Second-hand Machinery of all kinds. Enquiries solicited.

HOMER BOWES

Office and Yards, River Avenue, Allegheny, Pa. 16-2t

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CHEAP FOR CASH

Complete Contractor's Plant For Light Work

consisting of:—Horses, carts, wagons, harness, steam drills, stiff leg derrick, iron, steel, blacksmith tools, etc.

Dump cars, 30 lb. rails, ties, splices, bolts, spikes and office furniture.

To be sold as a whole. For prices and detailed list apply to

STANDARD SUPPLY & EQUIPMENT CO.
1710-12 Market Street, Philadelphia
16 2t

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Photo of centers we use at Pittsburg Filtration Plant.

One set of centers sufficient for any length of sewer without renewal.

Centers are set up and taken down with common labor. And when removed leave an absolute smooth facing in conduit.

We lease centers for any size or shape required at a very small cost, and supply them on short notice.

Write for Catalogue and information to the

Blaw Collapsible Steel Centering Co.

1414 Penn Avenue, Pittsburg, Pa.

Do you want your capital to draw interest, or your property to rust away all winter in the form of old equipment? Use our "For Sale" columns—$1.50 an inch.